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ABSTRACT

This annual report includes major time series that reflect changes in farm production, production inputs, and production efficiency. Time series data are presented for the United States and, in most cases, for 10 farm production regions. The text highlights changes since the previous year or specified time period. In previous reports in this series, data was revised for the year preceding the year in the title, but in this report, a new survey-based labor series on total hours has been incorporated, starting with the year 1947. As a result, all data series in the report start with 1947. By using data from the 1984 Farm Costs and Returns Survey, the report will help analysts assess more accurately the efficiency of farm labor hours. Seventy-two tables are provided. Representative topics include: farm production--indexes of farm output by enterprise groups, by region, by cropland used for crops by region, and by fertilizers; labor--by hours required in various enterprises, by indexes of farm production per required hour by enterprise groups, by region; and indexes of total farm input and major input subgroups by region. (YLB)

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United States Department of Agriculture

Economic Research Service

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Economic Indicators of the Farm Sector

Production and Efficiency Statistics, 1985

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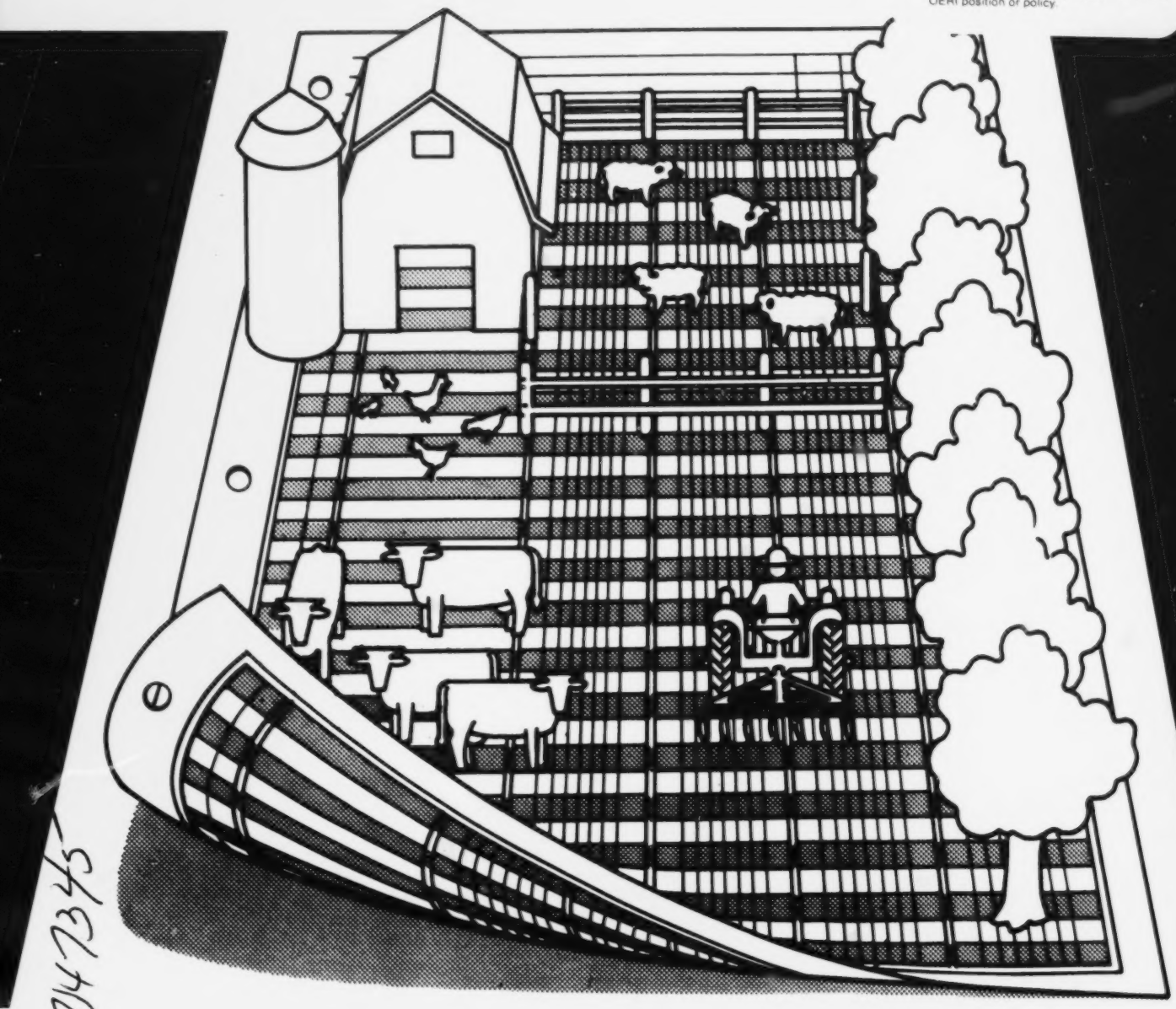

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ECONOMIC INDICATORS OF THE FARM SECTOR: PRODUCTION AND EFFICIENCY STATISTICS, 1985. National Economics Division, Economic Research Service, U.S. Department of Agriculture. ECIFS 5-5.

Abstract

Farmers achieved record farm production and improved farm labor efficiency in 1985. They boosted crop output by 6 percent from the year before and 1 percent above 1981's previous record, despite planting fewer acres and using less fertilizer. Increases in milk, broiler, and turkey production helped push livestock and products output to record levels. Farmers reached new levels of efficiency in production because resources used to produce commodities dropped 2 percent while output increased 6 percent. For the first time, this report uses data from the 1984 Farm Costs and Returns Survey which will help analysts assess more accurately the efficiency of farm labor hours.

Keywords: Farm output, farm inputs, cropland, labor, machinery, fertilizer, productivity.

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Washington, DC 20005-4788 April 1987

Preface

This report is one of five in the Economic Indicators of the Farm Sector series. Other reports are Farm Sector Review, Costs of Production, National Financial Summary, and State Financial Summary.

This annual report includes major time series which reflect changes in farm production, production inputs, and production efficiency. Time series data are presented for the United States and, in most cases, for 10 farm production regions. The text highlights changes since the previous year or specified time period.

We usually revise data only for the year preceding the year in the title, but some tables reflect changes for several years. This year, a new survey-based labor series on total hours has been incorporated, starting with the year 1947 (see Highlights section). As a result, all data series in this report start with 1947. Further, the new total labor accounts and all aggregations of the input accounts along with measures of total labor and multifactor productivity are not comparable with similar series prior to 1947. The output accounts and some input accounts have been revised back to 1978 and 1982, respectively. Also, labor hours required for livestock and crop production, by enterprise groups, have been revised back to 1979.

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Attention Labor Series Users

The Economic Research Service (ERS) is considering deleting all labor hour series from this publication and presenting only labor hour indices. If you use the labor hours data and need to have it continued, please write to the following address and indicate your use of and need for the data.

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Figure 1

Farm Production Regions

* Includes Alaska and Hawaii

Contents

	Page
List of Tables	v
Background	1
Highlights	1
Tables	9
Appendix Measuring Agricultural Labor Hours and the Rate of Return to Equity in Farm Assets	76

List of Tables

Table		Page
1.	Farm production: indexes of farm output by enterprise groups, United States, 1947-85	9
2.	Farm production: indexes of farm output by enterprise groups, Northeast region, 1947-85	10
3.	Farm production: indexes of farm output by enterprise groups, Lake States region, 1947-85	11
4.	Farm production: indexes of farm output by enterprise groups, Corn Belt region, 1947-85	12
5.	Farm production: indexes of farm output by enterprise groups, Northern Plains region, 1947-85	13
6.	Farm production: indexes of farm output by enterprise groups, Appalachian region, 1947-85	14
7.	Farm production: indexes of farm output by enterprise groups, Southeast region, 1947-85	15
8.	Farm production: indexes of farm output by enterprise groups, Delta States region, 1947-85	16
9.	Farm production: indexes of farm output by enterprise groups, Southern Plains region, 1947-85	17
10.	Farm production: indexes of farm output by enterprise groups, Mountain region, 1947-85	18
11.	Farm production: indexes of farm output by enterprise groups, Pacific region, 1947-85	19
12.	Acreages of crops harvested and used for specified purposes, United States, 1947-85	20
13.	Cropland used for crops and index of crop production per acre, United States, 1947-85	21
14.	Cropland used for crops, Northeast region, 1947-85	22
15.	Cropland used for crops, Lake States region, 1947-85	22
16.	Cropland used for crops, Corn Belt region, 1947-85	23
17.	Cropland used for crops, Northern Plains region, 1947-85	23
18.	Cropland used for crops, Appalachian region, 1947-85	24
19.	Cropland used for crops, Southeast region, 1947-85	24

Table		Page
20.	Cropland used for crops, Delta States region, 1947-85	25
21.	Cropland used for crops, Southern Plains region, 1947-85	25
22.	Cropland used for crops, Mountain region, 1947-85	26
23.	Cropland used for crops, Pacific region, 1947-85	26
24.	Land: indexes of cropland used for crops, by regions, 1947-85	27
25.	Crop production: indexes of crop production per acre, by regions, 1947-85	28
26.	Farm production: indexes of animal units of breeding livestock and livestock production per breeding unit, United States, 1947-85	29
27.	Fertilizer: primary plant nutrients and liming materials used, United States and Puerto Rico, 1947-85	30
28.	Fertilizer: nitrogen used as fertilizer, regions, United States and Puerto Rico, 1947-85	31
29.	Fertilizer: phosphate used as fertilizer, regions, United States and Puerto Rico, 1947-85	32
30.	Fertilizer: potash used as fertilizer, regions, United States and Puerto Rico, 1947-85	33
31.	Farm machinery and equipment: number of specified kinds on farms, and tractor horsepower, United States, 1947-86	34
32.	Labor: total hours of farmwork, United States and regions, 1947-85	35
33.	Labor: indexes of total hours of farmwork, United States and regions, 1947-85	36
34.	Labor: indexes of farm production per hour, United States and regions, 1947-85	37
35.	Labor: hours required for livestock and crop production, by enterprise groups, United States, 1947-85	38
36.	Labor: indexes of hours required for livestock and crop production, by enterprise groups, United States, 1947-85	39
37.	Labor: hours required for livestock and crop production, by enterprise groups, Northeast region, 1947-85	40
38.	Labor: hours required for livestock and crop production, by enterprise groups, Lake States region, 1947-85	41

Table		Page
39.	Labor: hours required for livestock and crop production, by enterprise groups, Corn Belt region, 1947-85	42
40.	Labor: hours required for livestock and crop production, by enterprise groups, Northern Plains region, 1947-85	43
41.	Labor: hours required for livestock and crop production, by enterprise groups, Appalachian region, 1947-85	44
42.	Labor: hours required for livestock and crop production, by enterprise groups, Southeast region, 1947-85	45
43.	Labor: hours required for livestock and crop production, by enterprise groups, Delta States region, 1947-85	46
44.	Labor: hours required for livestock and crop production, by enterprise groups, Southern Plains region, 1947-85	47
45.	Labor: hours required for livestock and crop production, by enterprise groups, Mountain region, 1947-85	48
46.	Labor: hours required for livestock and crop production, by enterprise groups, Pacific region, 1947-85	49
47.	Labor: indexes of hours required for livestock and crop production, by regions, 1947-85	50
48.	Labor: indexes of farm production per required hour, by enterprise groups, United States, 1947-85	51
49.	Labor: indexes of farm production per required hour, by enterprise groups, Northeast region, 1947-85	52
50.	Labor: indexes of farm production per required hour, by enterprise groups, Lake States region, 1947-85	53
51.	Labor: indexes of farm production per required hour, by enterprise groups, Corn Belt region, 1947-85	54
52.	Labor: indexes of farm production per required hour, by enterprise groups, Northern Plains region, 1947-85	55
53.	Labor: indexes of farm production per required hour, by enterprise groups, Appalachian region, 1947-85	56
54.	Labor: indexes of farm production per required hour, by enterprise groups, Southeast region, 1947-85	57
55.	Labor: indexes of farm production per required hour, by enterprise groups, Delta States region, 1947-85	58
56.	Labor: indexes of farm production per required hour, by enterprise groups, Southern Plains region, 1947-85	59

Table		Page
57.	Labor: indexes of farm production per required hour, by enterprise groups, Mountain region, 1947-85	60
58.	Labor: indexes of farm production per required hour, by enterprise groups, Pacific region, 1947-85	61
59.	Persons supplied farm products by one farmworker, United States, 1947-85	62
60.	Indexes of total farm input and major input subgroups, United States, 1947-85	63
61.	Indexes of total farm input and major input subgroups, Northeast region, 1947-85	64
62.	Indexes of total farm input and major input subgroups, Lake States region, 1947-85	65
63.	Indexes of total farm input and major input subgroups, Corn Belt region, 1947-85	66
64.	Indexes of total farm input and major input subgroups, Northern Plains region, 1947-85	67
65.	Indexes of total farm input and major input subgroups, Appalachian region, 1947-85	68
66.	Indexes of total farm input and major input subgroups, Southeast region, 1947-85	69
67.	Indexes of total farm input and major input subgroups, Delta States region, 1947-85	70
68.	Indexes of total farm input and major input subgroups, Southern Plains region, 1947-85	71
69.	Indexes of total farm input and major input subgroups, Mountain region, 1947-85	72
70.	Indexes of total farm input and major input subgroups, Pacific region, 1947-85	73
71.	Farm productivity: indexes of output per unit of input, by regions, 1947-85	74
72.	Indexes of farm output, input, and productivity, United States, 1947-85	75

Economic Indicators of the Farm Sector

Production and Efficiency Statistics, 1985

Background

Record farm production and improved farm labor efficiency marked the 1985 agricultural sector. Farm output increased 6 percent over 1984 and exceeded the previous record set in 1981 by 1 percent. Both livestock and crops contributed to the new record with increases of 3 and 5 percent. Farm output is the combination of total livestock and total crop production indexes after they have been adjusted to exclude goods produced on farms and used in further agricultural production. Because of these adjustments, it is possible for the farm output index to be outside the range of the index number of either of its components.

Total farm input use declined 2 percent. With input use down 2 percent and production up 6 percent, productivity increased 9 percent from previous records in 1981, 1982, and 1984.

Quantities produced and yield per acre hit record highs for corn and sorghum grain, reflecting excellent growing conditions. Many other commodities also had record yields, including soybeans, cotton, and tobacco.

Production increases of 6, 5, and 9 percent for milk, broilers, and turkeys significantly contributed to record production levels of livestock and products in 1985.

Highlights

Farm output was record high in 1985, 6 percent above 1984, bolstered by livestock and crop increases of 3 percent and 5 percent (table 1).

Farm output rose in five regions, and hit record levels in the Corn Belt, Northern Plains, Northeast, and Lake States, with increases of 15, 9, 8, and 6 percent (tables 2 through 11). The Southern Plains rose 10 percent but failed to surpass the record set in 1981. There was little change in the Mountain and Pacific regions, while the Southeast, Appalachian, and Delta States regions were 1, 2, and 4 percent lower.

Crop production increased 5 percent in 1985, nearly equaling records set in both 1981 and 1982. Feed grain and vegetable production increased to new records, jumping 15 and 4 percent. Corn production was 8.9 billion bushels, up 16 percent from 1984 and 8 percent above the previous record set in 1982. Sorghum production

was 1.1 billion bushels, exceeding 1 billion bushels for the first time and 28 percent higher than 1984. Production of oil crops, cotton, and sugar crops increased 10, 2, and 2 percent. Tobacco output fell 12 percent. Food grains, fruits and nuts, and hay and forage were also below their 1984 production levels by 6, 5, and 1 percent.

Livestock production, a record high, surpassed 1984 by 3 percent. Meat animal production did not change, and both cattle and hog output remained at 1984 levels. Milk production was up 6 percent.

Production of poultry products rose 4 percent to a record, led by broilers and turkeys with increases of 5 and 9 percent. Livestock production achieved record highs in the Northeast, Lake States, Appalachian, Delta States, and Pacific regions. Production in the Southern Plains region was unchanged. All other regions had livestock production increases ranging from 2 to 4 percent.

Harvested crop acreage in 1985 totaled 343 million acres, 5 million fewer than 1984 (table 12). About 31 million acres were diverted from production under 1985 Federal farm programs, 4 million more than in 1984. Harvested crop acreage peaked at 366 million in 1981. In 1985, feed grain acreage was nearly 4.8 million above 1984, while food grains and soybeans fell by 2.8 and 4.5 million acres. Cotton acreage was about the same.

Estimates of land resources needed to produce the agricultural products that were exported dropped 9 percent to 87 million acres in 1985. Twenty-five percent of harvested crop acreage produced export crops in 1985, down from 41 and 28 percent in 1983 and 1984. Food grains accounted for 35 percent of total export acreage; oil crops, 31 percent; feed grains, 22 percent; cotton, 2 percent; and all other crops, 10 percent.

Cropland used for crops in 1985 totaled 372 million acres, down 1 million from the year before (table 13). Cropland harvested accounted for 334 million acres; crops failed on 7 million; and 31 million acres were summer-fallowed.

Between 1984 and 1985, acreage of cropland used for crops was higher in the Corn Belt (6.4 million acres), the Southern Plains (1.4 million), and the Appalachian region (100,000); unchanged in the Northeast; and lower in all other regions, particularly the Southeast (1 million), the Delta States (700,000), and the Mountain region (1.1 million) (tables 14 through 23). On a relative basis, indexes of acreage were higher in only two regions, the Corn Belt and Southern Plains (table 24).

Crop production per acre is the index of crop production expressed as a percentage of the index of cropland used for crops and indicates relative annual yields of all crops combined (table 25). These yields per acre jumped over 6 percent to a new record in 1985. Record national yields were recorded for many crops including corn (118 bushels), sorghum (66.7 bushels), oats (63.6 bushels), rice (5,437 pounds), soybeans (34.1 bushels), cotton (630 pounds), and tobacco (2,207 pounds). Crop yield increases were substantial for soybeans, sorghum, corn, and rice, at 21, 18, 11, and 10 percent. The index of crop production per acre declined 2-4 percent in the Appalachian, Delta States, Mountain, and Pacific regions. Yield records were realized in the Northern Plains, Corn Belt, Southeast, and Northeast regions, with average increases of 23, 18, 4, and 3 percent. The Southern Plains region rose 6 percent and the Lake States region rose 4 percent.

Animal units of breeding livestock declined 3 percent in 1985 (table 26). The number of breeding milk cows on farms was down 3 percent. Beef cows and breeding sows were each 6 percent lower, and breeding ewes were down 8 percent. The number of turkey breeding hens was about the same, and hens and pullets increased 3 percent.

Livestock production per breeding unit in 1985 was record high, 6 percent above the record set in 1984. Milk production per cow jumped 4 percent to 13,031 pounds. Laying hens averaged 2 more eggs than a year earlier, bringing the rate of lay to 247 eggs per bird.

Fertilizer use decreased 1 percent to 21.7 million tons (table 27). Of the primary nutrients, nitrogen use increased 4 percent to 11.5 million tons. Phosphate use, at 4.6 million tons, and potash use, at 5.5 million tons, were both down 5 percent (tables 28 through 30).

Except for the Lake States and Northern Plains regions, total fertilizer use declined. Declines were greatest in the Delta States and Mountain regions. Nitrogen use declined or remained the same in half the regions, while phosphate use declined in all regions except the Northern Plains and Appalachian regions. Potash use declined in the Corn Belt, Appalachian, Southeast, Delta States, and Pacific regions. The Southern Plains and Mountain regions increased the use of potash, while the Northeast, Lake States, and Northern Plains regions' use of this kind of fertilizer remained the same.

Nitrogen application rates on corn reached record levels, but phosphate and potash rates declined. Fertilizer application rates on cotton, wheat, and soybeans were generally down for all three plant nutrients.

Farm machinery purchases fell to a 12-year low in 1985. U.S. farmers purchased $5.68 billion of new and used farm machinery in 1985, down 22 percent from the year before and off sharply from the record-high $11.75 billion in 1979. Farmers bought an estimated $4.8 to $5.1 billion of machinery in 1986 as the farm economy continued weak.

Since 1980, farmers' spending for repairing their machinery has come close to their spending on new purchases. Farmers annually spent 23 to 33 cents on repairs for each dollar spent on purchases during the 1970's. This amount increased to 70 cents in 1985 as expenditures for new and used items declined.

The total onfarm inventory for January 1, 1986, dipped less than 1 percent as tractor and selected harvesting and haying equipment declined from year-earlier levels (table 31). Motor truck inventory remained unchanged from 1985. Likewise, the average per unit size of the tractor inventory held constant at roughly 67 horsepower.

NEW SURVEY-BASED LABOR SERIES 1/

The labor series presented in tables 32 through 34 are based on estimates of labor derived from sample surveys as part of the ongoing process of implementing the recommendations of the American Agricultural Economics Association (AAEA) Task Force on Measuring Agricultural Productivity. All labor hours reported by the Economic Research Service (ERS) used to be based primarily on labor "requirements" per acre or per unit of output. Consequently, labor hours reported have not been independent of an assumed level of efficiency and therefore may not have reflected actual efficiency changes.

U.S. and regional hours for 1984 and 1985 shown in table 32 were derived using information from ERS's Farm Costs and Returns Survey (FCRS), which was first conducted in 1984. Data from the FCRS are available at the national and regional levels by type of labor (that is, operator, unpaid family, and hired). The Bureau of Labor Statistics' (BLS) labor series (based on the Census Bureau's Current Population Survey) was used to derive labor estimates for 1947 through 1983. The BLS series is also available by type of labor but only at the national level. The BLS national estimates for 1947-83 were disaggregated by region, based on the prevailing percentage distributions currently used by ERS (the relationship between each regional labor type and the national level). Regional labor inputs were calculated by aggregating the three labor types.

Regional breakdowns of labor available from the FCRS have eliminated the need to calculate labor use by region based on the historical labor "requirements" series. The need for an improved labor data source providing directly measured regional breakdowns is the principal reason for switching from the BLS survey to the FCRS survey in 1984. A comparison of total labor hours for the 1983-85 transition period follows:

Total agricultural labor use

	FCRS	BLS
	Billion hours	
1983	NA	6.7
1984	6.4	6.2
1985	5.9	5.7

NA=Not applicable

1/ The changes in methods and their implications are summarized here. A more complete analysis and discussion are found in "Measuring Agricultural Labor Hours and Rate of Return to Equity in Farm Assets" by Sara Short. The paper, included in this publication, was presented at the 1986 annual meeting of the American Agricultural Economics Association in Reno, Nevada, in July 1986.

Data from the FCRS indicate that national aggregate labor hours dropped by 8 percent between 1984 and 1985. A t-test was conducted to establish where significant changes occurred in the use of labor by type of labor. Using the two-tailed, 5-percent confidence cutoff of 1.96, the only significant changes were for operator and total labor hours. The coefficient of variation (CV) measures the relative dispersion of sample points about the mean and is useful in comparing the variabilities between two or more sets of data. The CV for total labor hours was less than 2.0 for both 1984 and 1985. Thus, the relative dispersion about the mean was almost identical in total and by type of labor for 1984 and 1985.

The hours of labor in the new series are statistically different (at the 99.5-percent level, based on a paired t-test) from the hours previously published. However, the annual rates of change reflected in each series are not statistically different. Both series indicate the trend of declining labor input use, although the new series does not decrease as rapidly over time.

Even though the absolute number of hours presented in the new series differs significantly from those of the previously published series, their impact on the national aggregate indexes is small. For example, the total farm input and total factor productivity (output per unit of input) indexes for the Nation change less than 2 percent, in most cases, from the indexes previously published.

According to the FCRS survey, total agricultural labor use declined 8 percent between 1984 and 1985. This drop, along with the 6-percent increase in farm output, resulted in significant gains in the country's total farm labor productivity in 1985. Gains were even more sizable in regions where labor declines and production increases surpassed those at the national level (see tables 32 through 34). 2/

Reflecting these new labor estimates, tables 32, 33, and 34 carry the new labor input series of total hours of farmwork used, indexes of total hours of farmwork used, and indexes of farm production per hour of total hours of farmwork used. The new indexes of farm labor are also included as the labor element in tables 60 through 70 covering indexes of total farm input and major input subgroups.

Estimates of labor required by enterprise groups are presented in tables 35 through 58. They are calculated the same as in the past because the necessary crop-specific information is not available from the BLS or FCRS surveys. New data are being collected in calendar year 1987 for major row crops that will provide a directly observed estimate of labor uses. These data will provide a basis for further assessing the reliability of the labor series for major enterprises.

2/ An analysis of regional differences is not included in this publication. That work continues as a part of ERS's research program pertaining to measuring economic characteristics of the farm economy

Total hours of labor used for farmwork in 1985 was 5.9 billion, compared with 6.4 billion hours in 1984 (tables 32 and 33). Survey data provide additional insight about where the aggregate change in labor use occurred. The largest percentage change by sales class occurred on farms with sales of $20,000 to $39,999 and $40,000 to $99,999 with labor drops of 18 and 13 percent. Only these two sales classes had statistically significant decreases in both operator supplied labor and hired labor. Sales classes over $100,000 had much smaller declines in labor use. Farms with sales of $250,000 to $499,999 had an estimated, but statistically insignificant, increase in labor. For smaller farms, those with sales of $40,000 or less, changes in operator supplied labor hours were the most significant, reflecting either the reduction in the number of relatively small farms or a choice by the operator to increase off-farm work to buttress farm earnings. By farm type, the only significant drops in labor use were for tobacco and cotton farms, general crops, and general livestock. For cotton and tobacco farms, the change in operator labor was the sole significant change. Operator, unpaid family, and hired labor dropped significantly for general crop farms. By region, significant reductions in operator labor use were recorded for the Northern Plains, Corn Belt, and Delta regions:

Change in labor hours, by size, type of farm, and region

Farm characteristics	1984	1985	T-Statistic
	-------Labor hours-------		
Sales class:			
$500,000 and over	883	806	-0.24
$250,000-$499,999	669	728	.83
$100,000-$249,999	1,395	1,319	-1.17
$40,000-$99,999	1,308	1,136	-2.90
$20,000-$39,999	641	522	-2.72
$10,000-$19,999	436	384	-1.60
Less than $10,000	1,031	915	-2.02
Farm type:			
Cash grain	1,299	1,284	-.24
Cotton/tobacco	484	344	-3.84
Vegetable/fruit/nut	512	463	-.91
Nursery/greenhouse	229	308	1.13
Other crop	600	263	-7.62
Beef/hog/sheep	1,680	1,638	-.65
Dairy	1,248	1,191	-.85
Poultry	179	135	-1.70
Other livestock	132	241	3.42
Region:			
Northeast	667	635	-.44
Lake States	936	876	-.92
Corn Belt	1,138	1,007	-2.60
Northern Plains	663	561	-2.85
Appalachian	639	597	-.84
Southeast	351	334	-.43
Delta	314	263	-1.94
Southern Plains	634	555	-1.52
Mountain	441	433	-.22
Pacific	578	607	.53

Farm labor hours decreased in all regions except the Pacific, where hours worked increased by about 5 percent. The largest decreases were in the Delta States region, 16 percent, and the Northern Plains, 15 percent. Labor in the Corn Belt and Southern Plains regions each dropped by 12 percent. In the Appalachian region, labor declined by 7 percent, while labor in the Lake States, Northeast, and Southeast regions decreased by 6, 5, and 5 percent. The smallest reduction in labor hours, 2 percent, occurred in the Mountain region.

Total farm labor productivity in 1985 increased 16 percent from year-earlier levels (table 34). Production per hour moved upward in all regions except the Pacific, where labor productivity decreased by about 5 percent. Substantial increases were experienced in the Corn Belt, 31 percent; the Northern Plains, 29 percent; the Southern Plains, 27 percent; the Delta States, 15 percent; the Lake States, 12 percent; and the Northeast region, 12 percent. Productivity in the Appalachian, Southeast, and Mountain regions rose 5, 3, and 2 percent.

Labor hours on farms required for the production of all crops and all livestock in 1985 declined 4 and 5 percent from year-earlier levels (tables 35 and 36). Most of the crop groups experienced decreases in hours of required labor. Tobacco and oil crops had the largest decreases, at 15 percent and 10 percent. Food grains and cotton were each down 8 percent, fruits and nuts fell 6 percent, and hay and forage dropped 3 percent. The vegetable group had the smallest decrease, 1 percent. Feed grains and sugar crops were the only crop groups that had increases, rising 2 and 1 percent.

Hours required for the production of milk fell 9 percent; for meat animals, 6 percent; and for poultry, 3 percent.

Labor hours required for the production of all crops and all livestock decreased in the 10 farm production regions (tables 37 through 47). The largest decline, 8 percent, was felt in the Appalachian region. The Southeast region declined 6 percent, and the Northeast and Pacific regions each dropped 5 percent. The Lake States, Corn Belt, and Northern Plains regions declined 4 percent each, and the Delta States and Southern Plains regions 3 percent each. The Mountain region had a decrease of 1 percent.

Production per hour required for all livestock increased 8 percent in 1985; labor productivity for milk cows, poultry, and meat animals increased 15, 7, and 7 percent. Labor productivity in all crops gained 11 percent. The oil crops group gained the most, rising 22 percent. Cotton increased 13 percent, and feed grains were up 12 percent. Smaller increases occurred in tobacco, vegetables, fruits and nuts, and hay and forage, up 6, 5, 3, and 2 percent. Food grains and sugar crops each rose 1 percent (table 48).

Production per hour required for all livestock increased in all 10 farm production regions (tables 49 through 58). The largest increase, 20 percent, occurred in the Lake States region, followed closely by the Northeast region, with an increase in productivity of 14 percent. The Corn Belt region had an increase of 10 percent. The Northern Plains and the Southeast regions each had increases of 8 percent; the Southern Plains region, 6 percent; the Appalachian region, 5 percent; and the Delta States, Mountain, and Pacific regions, 4 percent each.

Production per hour required for all crops increased in most regions. The Corn Belt was up 23 percent. The Northern Plains region increased 13 percent; the Southern Plains region, 10 percent; the Appalachian region, 7 percent; the Northeast region, 6 percent; the Pacific region, 4 percent, and the Lake States

and Southeast regions, 3 percent each. Decreases of 7 and 2 percent occurred in the Mountain and Delta States regions.

One farmworker produced farm products for 75 persons in 1985, 1 person more than in 1984, and considerably above the 58 in 1975 and the 37 in 1965 (table 59). However, to suggest that the labor of one farmworker (farmworkers include farm operators, hired workers, and unpaid family workers) produced the food, fiber, and tobacco consumed by 75 people would be inaccurate. Over time, farmers and farmworkers have become more specialized. Many jobs and functions have been transferred from farms to nonfarm activities. Because of these changes, many nonfarmworkers now perform functions formerly done by farmworkers. This series does not quantify their contributions. However, as functions are transferred from farmworkers to nonfarmworkers, employment directly in farm production declines. For every worker on farms, an estimated five to six nonfarmworkers provide resources and services in producing, processing, transporting, wholesaling, and retailing farm products.

Total quantity of farm inputs used in 1985 declined 2 percent from 1984 (table 60). The use of farm labor was off 8 percent. Farm real estate and mechanical power and machinery declined 2 and 6 percent. These three input groups represented 70 percent of the total inputs used in agriculture in 1985. Agricultural chemicals; feed, seed, and livestock purchases; taxes and interest; and the miscellaneous input groups increased by 2, 6, 1, and 5 percent. These four input groups accounted for the remainder of all inputs used in production.

Purchased inputs decreased by 2 percent. Farmers used less hired labor, fuel and oil, electricity, machinery repairs and parts, and telephone and veterinary services. Purchased inputs represented about 52 percent of all inputs in 1985. Nonpurchased inputs, 48 percent of the total in 1985, fell 4 percent when operator labor and capital consumption declined.

Total farm input use slipped in most regions (tables 61 through 70). Declines of 4 percent occurred in the Delta States, 3 percent in the Lake States, Corn Belt, Northern Plains, Southeast, and Southern Plains regions; 2 percent in the Northeast and Appalachian regions; and 1 percent in the Mountain region. The Pacific region did not change.

Farm output per unit of input for U.S. agriculture was record high in 1985, jumping 9 percent above 1984 (tables 71 and 72). Productivity of farm inputs rose to record levels in the Northeast, Lake States, Corn Belt, Northern Plains, Appalachian, and Delta States regions, up 10, 9, 20, 14, 1, and 2 percent, respectively, from year-earlier levels. The Southern Plains and the Mountain regions had productivity increases of 15 and 1 percent. Pacific region productivity dropped 1 percent. In the Southeast, productivity matched the previous record set in 1984.

Table 1--Farm production: indexes of farm output by enterprise groups, United States, 1947-85
(1977=100)

Year	Farm output 1/	Livestock and livestock products 2/				Crops								
		All 3/	Meat animals 4/	Dairy products 5/	Poultry and eggs 6/	All 7/	Feed grains 8/	Hay and forage 9/	Food grains 10/	Vegetables 11/	Fruits and nuts 12/	Sugar crops 13/	Cotton	Tobacco	Oil crops 14/
1947	58	65	63	88	44	56	39	68	64	78	72	53	85	111	22
1948	63	64	62	85	43	64	57	68	62	83	67	44	107	104	27
1949	62	67	65	87	48	61	50	68	53	80	70	44	115	104	26
1950	61	70	70	88	50	59	51	72	49	82	71	55	72	107	26
1951	63	73	74	86	53	60	47	74	49	77	72	43	109	123	26
1952	66	74	75	87	53	62	50	73	63	77	70	45	109	119	26
1953	66	74	74	91	54	62	49	75	57	81	71	50	118	109	26
1954	66	77	77	92	57	61	51	75	51	79	71	55	98	118	28
1955	69	79	81	93	56	63	54	79	48	83	68	50	105	115	30
1956	69	79	78	95	61	63	54	76	50	88	71	50	96	114	34
1957	67	78	75	95	62	62	58	82	47	85	65	57	78	87	33
1958	73	79	77	94	66	69	64	83	69	87	70	56	82	91	39
1959	74	83	83	94	68	68	66	78	55	86	72	62	104	94	36
1960	76	82	80	95	68	72	69	83	66	88	69	60	102	102	38
1961	76	86	84	98	73	70	62	83	60	93	72	67	102	108	43
1962	77	86	85	98	73	71	62	86	56	91	72	69	106	122	44
1963	80	89	90	98	75	74	68	86	59	91	71	89	110	123	46
1964	79	91	92	99	78	72	59	87	65	87	71	91	109	117	46
1965	82	89	87	99	81	76	70	91	67	94	74	80	107	97	53
1966	79	91	91	96	85	73	70	89	67	96	72	80	68	99	55
1967	83	94	95	95	89	77	79	92	76	98	73	80	52	103	56
1968	85	94	96	94	87	79	75	92	80	102	72	93	77	90	64
1969	85	95	96	94	89	80	78	93	74	99	85	96	71	94	65
1970	84	99	102	95	93	77	71	92	69	96	81	95	72	100	66
1971	92	100	103	96	94	86	92	97	81	96	87	97	76	89	68
1972	91	101	104	97	97	87	88	96	77	97	78	110	97	91	74
1973	93	99	102	94	94	92	91	101	86	99	93	95	91	91	87
1974	88	100	104	94	94	84	74	96	91	101	94	89	82	104	71
1975	95	95	97	94	92	93	91	100	108	97	98	114	58	114	86
1976	97	99	100	98	98	92	96	94	107	99	96	112	74	112	74
1977	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1978	104	101	100	99	106	102	108	106	93	103	99	101	76	106	105
1979	111	104	103	101	114	113	116	108	108	107	105	94	102	80	129
1980	104	108	107	105	115	101	97	98	121	104	119	97	79	93	99
1981	118	109	106	108	119	117	121	106	144	111	111	107	109	108	114
1982	116	107	101	110	119	117	122	109	138	116	113	96	85	104	121
1983	96	109	104	114	120	88	67	100	117	107	110	93	55	75	91
1984	112	107	101	110	123	111	116	107	129	117	114	95	91	90	106
1985 15/	119	110	101	117	128	117	134	106	121	122	108	97	93	79	117

1/ The index number of farm output in some instances may be outside the range of the index number of all crops and the index number of all livestock production. 2/ Horses and mules excluded. 3/ Includes clipped wool, mohair, and for 1950 to date, honey and beeswax. These items are not included in the separate groups of livestock and products shown. 4/ Cattle and calves, sheep and lambs, and hogs. 5/ Butter, butterfat, wholesale milk, retail milk, and milk consumed on farms. 6/ Chickens and eggs, commercial broilers, and turkeys. 7/ Includes hayseeds, pasture seeds, and cover-crop seeds, and some miscellaneous crop production not included in separate groups of crops shown. Farm gardens excluded after 1964. 8/ Corn for grain, oats, barley, and sorghum grain. 9/ All hay, sorghum forage, corn silage, and for 1950 to date, sorghum silage. 10/ All wheat, rye, and rice. Buckwheat was excluded after 1964. 11/ Potatoes, sweetpotatoes, dry edible beans, dry field peas, truck crops for processing, and truck crops for fresh market. 12/ Fruits, berries, and tree nuts. Citrus production is on year of harvest, 1960 to date. Earlier years on year of bloom. 13/ Sugar beets, sugarcane for sugar and seed, sugarcane syrup, and maple syrup. 14/ Soybeans, peanuts for nuts, cottonseed, flaxseed, and for 1950 to 1964, tungnuts and peanuts hogged. 15/ Preliminary.

Table 2--Farm production: indexes of farm output by enterprise groups, Northeast region, 1947-85
(1977=100)

Year	Farm output	Livestock and livestock products 1/				Crops								
		All 2/	Meat animals 3/	Dairy products 4/	Poultry and eggs 5/	All 6/	Feed grains 7/	Hay and forage 8/	Food grains 9/	Vegetables 10/	Fruits and nuts 11/	Sugar crops 12/	Cotton	Tobacco	Oil crops 13/
1947	86	79	104	81	66	100	42	94	208	165	92	241	0	203	9
1948	89	78	105	79	65	105	53	94	194	182	83	178	0	205	10
1949	91	84	107	84	74	101	49	85	203	168	107	178	0	212	12
1950	95	87	114	85	79	105	54	90	190	172	112	235	0	213	14
1951	95	89	120	85	83	103	58	94	186	151	107	202	0	205	14
1952	95	91	128	86	83	99	57	92	198	151	84	182	0	173	16
1953	98	94	129	90	86	102	55	90	210	162	96	130	0	180	20
1954	98	94	123	91	87	101	58	92	185	148	107	193	0	198	23
1955	97	96	126	94	85	97	54	90	168	146	104	186	0	168	29
1956	100	97	114	95	91	102	62	89	160	166	88	171	0	168	42
1957	95	96	112	94	90	93	48	87	140	151	92	199	0	155	30
1958	103	96	109	95	92	105	65	96	162	160	111	150	0	152	42
1959	99	96	110	95	90	100	61	92	136	146	109	122	0	160	41
1960	102	96	109	98	87	104	65	97	146	158	98	131	0	165	48
1961	103	97	108	101	86	106	63	99	146	159	110	172	0	168	51
1962	98	98	107	102	86	96	54	81	120	160	106	159	0	183	44
1963	99	99	105	102	89	97	54	93	138	149	97	128	0	162	36
1964	100	99	103	103	89	97	58	87	141	146	112	174	0	167	27
1965	103	100	97	104	91	101	64	88	134	156	112	141	0	170	45
1966	95	98	95	100	93	93	46	95	137	145	94	151	0	139	25
1967	103	97	93	99	93	107	82	101	170	154	97	124	0	129	48
1968	98	95	96	97	90	98	65	94	123	150	95	134	0	128	44
1969	100	97	98	98	94	100	77	97	113	136	104	159	0	116	59
1970	102	97	96	98	96	103	82	102	100	133	112	106	0	112	48
1971	104	98	98	99	95	103	80	104	103	128	126	78	0	98	60
1972	93	96	97	97	94	86	66	91	100	105	87	94	0	77	61
1973	95	94	94	92	95	97	81	103	94	109	93	74	0	97	86
1974	99	96	103	94	95	104	91	103	144	116	109	90	0	103	88
1975	100	96	105	96	92	101	96	105	129	98	114	102	0	78	87
1976	103	99	103	99	98	101	105	104	108	97	97	90	0	97	80
1977	100	100	100	100	100	100	100	100	100	100	100	100	0	100	100
1978	110	103	103	101	107	108	109	110	71	100	119	98	0	97	127
1979	109	107	109	103	115	110	116	108	95	104	123	104	0	72	134
1980	108	110	115	106	114	106	103	108	106	99	133	76	0	89	93
1981	119	113	122	109	116	115	133	111	127	107	106	120	0	105	115
1982	118	113	114	111	116	117	127	113	115	112	128	100	0	106	120
1983	110	116	119	115	118	101	81	105	118	97	130	100	0	87	106
1984	118	114	120	112	115	117	130	114	126	105	129	100	0	87	126
1985 14/	127	117	116	116	121	121	140	115	141	112	124	100	0	84	135

1/ Horses and mules excluded. 2/ Includes clipped wool, honey, and beeswax. These items are not included in the separate groups of livestock and livestock products shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Butter, butterfat, wholesale milk, retail milk, and milk consumed on farms. 5/ Chicken eggs, commercial broilers, chickens, and turkeys. 6/ Includes hayseeds, pasture seeds, and cover-crop seeds, and some miscellaneous crop production not included in separate groups of crops shown. Farm gardens excluded after 1964. 7/ Corn for grain, oats, and barley. 8/ All hay and corn silage. 9/ All wheat and rye. Buckwheat was excluded after 1964. 10/ Potatoes, sweetpotatoes, dry edible beans, truck crops for processing, and truck crops for fresh market. 11/ Fruits, berries, and tree nuts. 12/ Maple syrup. 13/ Soybeans. 14/ Preliminary.

Table 3--Farm production: indexes of farm output by enterprise groups, Lake States region, 1947-85 (1977=100)

Year	Farm output	Livestock and livestock products 1/				Crops								
		All 2/	Meat animals 3/	Dairy products 4/	Poultry and eggs 5/	All 6/	Feed grains 7/	Hay and forage 8/	Food grains 9/	Vegetables 10/	Fruits and nuts 11/	Sugar crops 12/	Cotton	Tobacco	Oil crops 13/
1947	55	82	85	76	95	44	35	66	34	62	94	16	0	153	24
1948	59	78	82	72	89	51	46	64	36	70	95	15	0	124	29
1949	60	82	89	75	97	50	44	66	35	75	108	21	0	129	24
1950	60	85	97	73	99	48	39	71	30	67	120	27	0	131	24
1951	63	87	102	73	101	51	43	80	33	65	97	20	0	95	23
1952	65	88	103	75	101	53	48	77	34	67	98	18	0	90	24
1953	65	89	100	79	102	53	46	76	38	69	113	21	0	82	26
1954	67	93	105	80	110	54	48	77	26	69	87	27	0	94	33
1955	68	95	109	81	109	55	50	77	26	67	87	27	0	86	33
1956	71	93	99	84	111	59	53	80	31	79	100	24	0	83	40
1957	70	93	98	87	108	57	52	80	28	70	107	29	0	81	37
1958	72	97	103	89	110	59	53	75	42	78	107	33	0	90	40
1959	74	99	109	89	112	61	56	80	36	82	120	35	0	86	32
1960	74	97	104	90	107	61	54	84	37	83	108	31	0	86	32
1961	77	100	108	92	114	64	56	83	40	93	123	39	0	92	40
1962	75	101	109	95	104	60	49	92	30	92	118	33	0	80	33
1963	78	102	113	95	99	64	57	87	39	94	88	42	0	74	43
1964	76	105	114	99	98	60	47	85	38	89	147	42	0	81	41
1965	75	100	104	98	96	61	50	88	31	95	127	38	0	79	45
1966	76	97	103	93	96	66	57	90	30	99	98	43	0	67	56
1967	78	97	103	93	98	67	59	89	46	96	89	41	0	66	50
1968	80	97	105	93	90	71	65	91	40	100	99	60	0	58	52
1969	78	94	101	91	87	69	61	91	30	101	122	59	0	54	55
1970	79	97	107	92	92	69	63	88	27	95	114	57	0	76	57
1971	86	100	110	94	98	77	77	93	49	96	125	49	0	92	46
1972	83	98	103	95	103	75	72	89	44	96	121	49	0	77	62
1973	85	97	103	91	105	81	75	92	60	97	83	57	0	78	85
1974	80	96	103	92	100	73	59	91	70	104	121	54	0	76	60
1975	84	93	95	91	99	79	70	94	75	86	126	70	0	85	70
1976	79	98	99	97	103	68	58	80	99	90	75	70	0	83	48
1977	100	100	100	100	100	100	100	100	100	100	100	100	0	100	100
1978	102	101	103	100	101	99	97	101	67	100	132	103	0	83	108
1979	105	104	109	102	105	104	97	105	74	105	110	82	0	103	131
1980	106	110	120	105	106	102	100	97	85	101	136	85	0	106	116
1981	112	111	116	108	111	109	116	99	114	106	112	99	0	108	108
1982	115	110	109	110	116	115	116	107	93	121	168	101	0	83	127
1983	97	114	115	114	119	87	66	100	73	99	112	101	0	68	113
1984	112	112	113	111	123	110	105	105	107	113	144	99	0	67	124
1985 14/	119	117	114	118	128	113	115	102	117	120	162	113	0	67	115

1/ Horses and mules excluded. 2/ Includes clipped wool, honey, and beeswax. These items are not included in the separate groups of livestock and livestock products shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Butter, butterfat, wholesale milk, retail milk, and milk consumed on farms. 5/ Chicken eggs, commercial broilers, chickens, and turkeys. 6/ Includes hayseeds, pasture seeds, and cover-crop seeds, and some miscellaneous crop production not included in separate groups of crops shown. Farm gardens excluded after 1964. 7/ Corn for grain, oats, and barley. 8/ All hay and corn silage. 9/ All wheat and rye. Buckwheat was excluded after 1964. 10/ Potatoes, dry edible beans, dry field peas, truck crops for processing, and truck crops for fresh market. 11/ Fruits, berries, and tree nuts. 12/ Sugar beets and maple syrup. 13/ Soybeans and flaxseed. 14/ Preliminary.

Table 4--Farm production: indexes of farm output by enterprise groups, Corn Belt region, 1947-85
(1977=100)

Year	Farm output	Livestock and livestock products 1/				Crops								
		All 2/	Meat animals 3/	Dairy products 4/	Poultry and eggs 5/	All 6/	Feed grains 7/	Hay and forage 8/	Food grains 9/	Vegetables 10/	Fruits and nuts 11/	Sugar crops 12/	Cotton 13/	Tobacco	Oil crops 14/
1947	48	90	77	134	124	35	34	71	52	147	381	78	0	81	15
1948	62	87	75	131	120	52	60	70	64	172	304	77	0	106	19
1949	60	94	81	134	128	48	51	72	65	146	433	100	0	107	19
1950	59	98	87	133	131	46	47	81	50	150	338	104	0	94	23
1951	59	101	91	129	132	44	46	85	42	150	328	61	0	97	22
1952	63	99	89	128	128	50	55	80	61	135	263	64	0	114	22
1953	62	98	88	135	128	48	50	80	80	134	235	75	0	92	20
1954	64	102	91	138	133	49	51	86	67	128	218	89	0	111	25
1955	67	106	97	137	128	52	55	86	68	129	139	97	0	81	25
1956	68	105	95	139	134	54	56	82	70	140	184	86	0	82	30
1957	67	104	94	137	130	52	54	91	53	133	190	95	0	76	32
1958	71	103	94	133	135	58	59	94	68	141	204	104	0	63	38
1959	74	108	101	128	134	60	67	87	55	148	184	122	0	85	34
1960	75	104	96	128	126	62	69	90	66	158	185	82	0	81	35
1961	75	108	100	133	131	61	62	89	72	149	184	83	0	92	44
1962	75	107	100	133	122	62	64	93	59	152	165	104	0	114	44
1963	80	110	105	133	117	68	71	93	82	141	112	100	0	120	45
1964	77	112	107	134	117	63	64	96	78	145	176	106	0	96	43
1965	82	105	99	128	115	71	76	95	62	166	156	141	0	93	51
1966	81	106	101	121	114	71	75	94	72	159	127	123	0	95	52
1967	87	110	108	116	115	77	87	93	82	170	136	103	0	87	53
1968	86	107	106	111	106	76	79	93	63	177	143	147	0	82	66
1969	84	104	103	109	101	77	81	92	56	152	165	143	0	92	66
1970	80	107	107	106	105	69	69	89	48	142	149	161	0	89	66
1971	94	107	107	106	108	88	98	93	56	148	172	195	0	76	70
1972	92	105	104	106	113	87	93	92	65	134	137	135	0	94	77
1973	90	101	101	100	107	88	91	95	43	120	116	78	0	66	90
1974	80	100	100	104	102	74	74	93	73	102	128	112	0	100	68
1975	95	93	91	97	100	94	97	100	93	110	177	166	0	104	87
1976	97	99	99	99	102	92	104	97	94	108	113	127	0	104	74
1977	100	100	100	100	100	100	100	100	100	100	100	100	0	100	100
1978	105	99	99	96	106	105	112	106	51	102	122	85	0	96	102
1979	115	102	103	95	108	117	124	104	87	105	130	62	0	70	117
1980	105	104	105	98	111	104	104	94	108	88	151	77	0	93	105
1981	115	104	104	100	116	116	126	101	131	83	124	65	0	105	108
1982	112	98	95	102	121	118	128	101	92	95	120	10	0	128	114
1983	80	101	99	105	122	73	57	82	92	89	112	54	0	82	87
1984	103	96	93	99	124	104	114	98	97	98	116	50	0	113	94
1985 15/	119	99	95	105	129	124	137	98	73	104	121	61	0	90	121

1/ Horses and mules excluded. 2/ Includes clipped wool, mohair, honey, and beeswax. These items are not included in the separate groups of livestock and livestock products shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Butter, butterfat, wholesale milk, retail milk, and milk consumed on farms. 5/ Chicken eggs, commercial broilers, chickens, and turkeys. 6/ Includes hayseeds, pasture seeds, and cover-crop seeds, and some miscellaneous crop production not included in separate groups of crops shown. Farm gardens excluded after 1964. 7/ Corn for grain, oats, barley, and sorghum grain. 8/ All hay, sorghum forage, sorghum silage, and corn silage. 9/ All wheat, rye, and rice. Buckwheat was excluded after 1964. 10/ Potatoes, sweetpotatoes, truck crops for processing, and truck crops for fresh market. 11/ Fruits, berries, and tree nuts. 12/ Sugar beets, sorghum syrup, and maple syrup. 13/ Because of the small quantity of cotton produced, the index is not shown separately but is included in total crop production. 14/ Soybeans, flaxseed, and cottonseed. 15/ Preliminary.

Table 5--Farm production: indexes of farm output by enterprise groups, Northern Plains region, 1947-85 (1977=100)

Year	Farm output	Livestock and livestock products 1/				Crops									
		All 2/	Meat animals 3/	Dairy products 4/	Poultry and eggs 5/	All 6/	Feed grains 7/	Hay and forage 8/	Food grains 9/	Vegetables 10/	Fruits and nuts 11/	Sugar crops 12/	Cotton	Tobacco 13/	Oil crops 14/
1947	56	64	53	110	286	50	31	56	77	80	0	25	0	0	25
1948	59	61	51	103	254	54	44	58	68	87	0	17	0	0	33
1949	49	63	53	99	261	42	33	58	48	78	0	20	0	0	26
1950	56	65	56	100	268	50	41	65	57	81	0	26	0	0	33
1951	54	71	63	98	273	45	35	70	52	53	0	24	0	0	31
1952	59	71	63	95	254	51	35	65	71	59	0	27	0	0	27
1953	54	71	63	99	255	45	35	72	48	63	0	26	0	0	37
1954	56	75	68	101	255	46	38	76	45	67	0	30	0	0	43
1955	53	78	72	100	245	42	29	73	47	53	0	27	0	0	42
1956	52	74	67	101	252	41	26	71	46	64	0	31	0	0	49
1957	59	68	60	99	254	53	51	91	46	56	0	35	0	0	33
1958	71	71	64	96	254	68	57	81	83	71	0	35	0	0	50
1959	61	77	71	96	249	53	51	70	53	65	0	39	0	0	29
1960	72	74	67	97	236	69	64	86	75	70	0	45	0	0	41
1961	65	80	74	102	235	56	48	77	61	73	0	44	0	0	37
1962	72	82	77	102	218	65	60	102	62	67	0	41	0	0	52
1963	71	88	84	101	197	61	60	92	54	69	0	61	0	0	49
1964	72	95	92	105	196	59	44	90	63	58	0	54	0	0	45
1965	75	87	83	103	189	66	56	100	68	73	0	44	0	0	68
1966	77	93	90	103	181	67	61	93	66	76	0	53	0	0	67
1967	80	98	95	104	182	69	61	95	76	72	0	47	0	0	57
1968	83	99	97	106	153	74	63	92	85	80	0	65	0	0	67
1969	87	97	95	103	136	81	76	96	86	82	0	82	0	0	76
1970	82	103	102	104	133	71	62	90	79	79	0	69	0	0	58
1971	97	107	106	106	135	90	83	105	105	86	0	74	0	0	51
1972	97	109	109	104	130	89	88	112	91	85	0	73	0	0	64
1973	100	107	106	106	125	95	91	107	104	90	0	75	0	0	81
1974	86	111	112	103	112	75	60	94	92	99	0	78	0	0	62
1975	92	97	97	98	110	86	74	97	103	90	0	94	0	0	71
1976	88	100	100	101	104	79	73	79	101	88	0	99	0	0	44
1977	100	100	100	100	100	100	100	100	100	100	0	100	0	0	100
1978	104	100	100	94	96	106	106	112	98	109	0	108	0	0	113
1979	116	107	109	93	99	118	113	112	108	100	0	88	0	0	183
1980	98	110	112	97	100	92	78	87	103	120	0	88	0	0	124
1981	121	111	112	103	102	118	111	104	111	179	0	108	0	0	180
1982	121	105	106	101	102	122	106	109	131	130	0	79	0	0	193
1983	101	110	110	106	99	94	69	99	112	112	0	82	0	0	144
1984	119	108	109	96	97	119	111	106	124	138	0	86	0	0	165
1985 15/	130	111	112	102	106	130	133	91	128	146	0	81	0	0	190

1/ Horses and mules excluded. 2/ Includes clipped wool, honey, and beeswax. These items are not included in the separate groups of livestock and livestock products shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Butter, butterfat, wholesale milk, retail milk, and milk consumed on farms. 5/ Chicken eggs, commercial broilers, chickens, and turkeys. 6/ Includes hayseeds pasture seeds, and cover-crop seeds, and some miscellaneous crop production not included in separate groups of crops shown. Farm gardens excluded after 1964. 7/ Corn for grain, oats, barley, and sorghum grain. 8/ All hay, sorghum forage, sorghum silage, and corn silage. 9/ All wheat and rye. 10/ Potatoes, sweetpotatoes, dry edible beans, dry field peas, truck crops for processing, and truck crops for fresh market. 11/ Because of the small quantity, the index is not shown separately but is included in total crop production. 12/ Sugar beets. 13/ Tobacco was excluded after 1957. 14/ Soybeans and flaxseed. 15/ Preliminary.

Table 6--Farm production: indexes of farm output by enterprise groups, Appalachian region, 1947-85 (1977=100)

Year	Farm output	Livestock and livestock products 1/				Crops									
		All 2/	Meat animals 3/	Dairy products 4/	Poultry and eggs 5/	All 6/	Feed grains 7/	Hay and forage 8/	Food grains 9/	Vegetables 10/	Fruits and nuts 11/	Sugar crops 12/	Cotton	Tobacco	Oil crops 13/
1947	81	62	64	99	35	97	84	88	87	189	172	0	323	108	25
1948	84	62	65	99	35	102	94	86	81	189	183	0	448	103	31
1949	81	66	66	103	39	95	87	93	72	153	159	0	366	99	26
1950	80	67	68	105	40	93	88	89	63	160	179	0	194	104	25
1951	87	68	71	104	41	100	83	84	75	131	173	0	355	121	31
1952	84	70	72	103	44	95	62	79	82	119	181	0	400	118	31
1953	83	70	69	108	45	92	70	78	92	134	127	0	382	105	27
1954	84	72	72	108	46	92	66	76	80	123	177	0	302	117	25
1955	87	73	74	108	46	96	82	94	69	132	82	0	318	111	26
1956	91	77	77	111	52	99	88	87	87	125	156	0	302	113	36
1957	77	77	77	110	55	79	64	84	61	129	130	0	214	86	32
1958	83	77	76	105	58	88	80	100	64	133	165	0	223	91	36
1959	85	80	83	103	60	89	84	88	75	129	145	0	325	92	36
1960	87	79	80	102	59	92	84	89	71	136	144	0	270	99	39
1961	89	81	81	104	64	93	71	96	84	128	145	0	274	106	40
1962	92	82	83	103	64	96	70	89	47	133	132	0	273	118	43
1963	94	83	85	100	66	99	71	87	56	121	123	0	332	124	43
1964	94	83	85	98	69	98	70	89	72	117	122	0	344	118	46
1965	90	84	82	101	72	92	82	96	61	123	137	0	282	95	54
1966	85	86	85	99	76	86	65	90	63	119	82	0	149	100	57
1967	91	89	90	99	79	92	95	98	98	129	108	0	61	100	63
1968	88	91	95	97	80	85	74	100	88	131	124	0	147	89	55
1969	92	93	98	97	83	91	78	102	84	130	134	0	171	95	62
1970	92	97	102	97	88	90	62	99	89	121	128	0	179	99	66
1971	95	98	105	97	88	93	88	105	108	121	133	0	217	88	70
1972	96	98	101	99	93	95	88	106	90	119	113	0	218	92	75
1973	97	96	102	93	90	98	95	110	70	117	109	0	194	93	91
1974	98	98	106	93	90	99	96	107	121	107	117	0	144	101	81
1975	102	95	102	94	86	105	94	108	111	99	133	0	87	114	92
1976	107	99	102	98	94	108	130	105	110	103	91	0	97	115	82
1977	100	100	100	100	100	100	100	100	100	100	100	0	100	100	100
1978	109	101	101	96	104	110	112	112	74	104	154	0	91	108	115
1979	106	108	110	97	116	105	121	108	103	116	150	0	69	80	134
1980	102	112	113	99	120	96	90	103	158	102	146	0	82	95	91
1981	123	111	107	102	126	124	133	113	308	114	143	0	133	110	131
1982	121	110	101	104	128	126	142	121	271	123	115	0	143	108	134
1983	91	115	111	104	132	79	57	100	200	101	136	0	63	74	75
1984	118	114	109	97	136	117	143	126	240	115	142	0	148	94	119
1985 14/	116	117	108	102	144	112	150	135	156	133	103	0	167	84	109

1/ Horses and mules excluded. 2/ Includes clipped wool, honey, and beeswax. These items are not included in the separate groups of livestock and livestock products shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Butter, butterfat, wholesale milk, retail milk, and milk consumed on farms. 5/ Chicken eggs, commercial broilers, chickens, and turkeys. 6/ Includes hayseeds, pasture seeds, and cover-crop seeds, and some miscellaneous crop production not included in separate groups of crops shown. Farm gardens excluded after 1964. 7/ Corn for grain, oats, barley, and sorghum grain. 8/ All hay, sorghum forage, sorghum silage, and corn silage. 9/ All wheat and rye. Buckwheat excluded after 1964. 10/ Potatoes, sweetpotatoes, truck crops for processing, and truck crops for fresh market. 11/ Fruits, berries, and tree nuts. 12/ Sorghum syrup not reported after 1959. 13/ Soybeans, peanuts for nuts, and cottonseed. Peanuts hogged were excluded after 1964. 14/ Preliminary.

Table 7--Farm production: indexes of farm output by enterprise groups, Southeast region, 1947-85
(1977=100)

Year	Farm output	Livestock and livestock products 1/				Crops								
		All 2/	Meat animals 3/	Dairy products 4/	Poultry and eggs 5/	All 6/	Feed grains 7/	Hay and forage 8/	Food grains 9/	Vegetables 10/	Fruits and nuts 11/	Sugar crops 12/	Cotton	Tobacco	Oil crops 13/
1947	59	29	52	76	9	83	170	48	57	76	40	33	475	103	41
1948	63	28	50	75	9	89	177	57	46	79	39	29	599	83	46
1949	59	30	50	77	11	81	175	62	33	91	35	26	428	96	36
1950	59	33	55	80	12	79	188	63	30	96	41	25	314	92	35
1951	69	35	60	80	14	92	168	61	44	95	49	22	581	116	37
1952	64	38	64	81	16	83	122	61	53	98	45	23	488	110	31
1953	71	39	64	85	17	92	190	69	60	99	56	23	514	111	34
1954	64	43	67	84	21	76	123	54	49	101	50	19	395	102	23
1955	76	45	71	85	22	95	212	83	48	115	48	19	498	128	34
1956	74	49	73	88	27	88	189	66	75	108	54	19	392	110	34
1957	66	51	71	88	32	74	189	60	69	105	44	20	271	78	28
1958	68	54	73	84	36	76	213	74	61	89	51	19	232	81	33
1959	73	58	76	85	41	80	191	63	64	90	51	24	353	92	32
1960	74	58	71	84	44	83	184	62	58	95	51	20	358	103	37
1961	78	62	72	84	50	86	189	70	73	110	55	26	329	108	36
1962	80	64	74	82	53	88	148	61	41	101	61	47	358	125	36
1963	83	67	76	81	58	91	187	79	57	110	52	54	415	113	43
1964	81	70	78	80	62	86	167	86	73	107	34	74	438	103	48
1965	87	74	77	83	68	93	194	90	58	109	53	64	406	92	51
1966	78	79	79	85	77	79	162	92	63	107	47	71	225	85	49
1967	91	83	82	89	81	95	241	101	99	118	76	76	129	116	60
1968	84	86	89	90	82	82	164	94	102	108	60	62	195	86	52
1969	89	90	95	91	87	89	148	101	99	108	75	60	202	87	61
1970	90	93	97	93	89	89	114	98	103	95	75	66	215	102	67
1971	101	96	102	97	91	103	221	106	172	99	82	71	275	92	80
1972	99	97	101	99	93	100	188	98	89	108	78	106	263	90	75
1973	101	95	98	95	92	106	196	114	86	109	91	93	241	85	84
1974	106	97	101	95	94	114	242	112	106	102	89	88	260	121	98
1975	108	96	100	98	92	114	253	123	103	109	92	117	119	124	110
1976	112	99	100	101	97	115	344	123	107	117	96	108	148	103	93
1977	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1978	111	102	96	98	107	113	204	125	101	113	97	108	110	100	118
1979	120	110	105	99	116	124	253	132	137	120	92	116	126	81	152
1980	107	111	110	100	116	106	150	104	312	124	114	118	94	86	82
1981	127	111	103	103	120	131	212	125	775	148	103	112	162	98	129
1982	125	108	94	103	119	133	201	144	792	159	82	141	184	84	146
1983	109	107	92	102	118	110	142	121	511	154	82	129	77	76	108
1984	121	106	89	94	122	126	220	145	548	163	79	141	196	70	129
1985 14/	119	109	88	99	126	122	238	141	504	171	69	145	234	66	116

1/ Horses and mules excluded. 2/ Includes clipped wool, honey, and beeswax. These items are not included in the separate groups of livestock and livestock products shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Butter, butterfat, wholesale milk, retail milk, and milk consumed on farms. 5/ Chicken eggs, commercial broilers, chickens, and turkeys. 6/ Includes hayseeds, pasture seeds, and cover-crop seeds, and some miscellaneous crop production not included in separate groups of crops shown. Farm gardens excluded after 1964. 7/ Corn for grain, oats, barley, and sorghum grain. 8/ All hay, sorghum forage, sorghum silage, and corn silage. 9/ All wheat and rye. 10/ Potatoes, sweetpotatoes, truck crops for processing, and truck crops for fresh market. 11/ Fruits, berries, and tree nuts. Citrus production is on year of harvest 1960 to date. Earlier years on year of bloom. 12/ Sugarcane for sugar and seed, sugarcane syrup, and sorghum syrup. 13/ Soybeans, peanuts for nuts, and cottonseed. Peanuts hogged and tungnuts were excluded after 1964. 14/ Preliminary.

Table 8--Farm production: indexes of farm output by enterprise groups, Delta States region, 1947-85 (1977=100)

Year	Farm output	Livestock and livestock products 1/				Crops									
		All 2/	Meat animals 3/	Dairy products 4/	Poultry and eggs 5/	All 6/	Feed grains 7/	Hay and forage 8/	Food grains 9/	Vegetables 10/	Fruits and nuts 11/	Sugar crops 12/	Cotton	Tobacco 13/	Oil crops 14/
1947	51	36	64	123	9	65	326	68	26	322	223	79	100	0	14
1948	66	36	61	124	9	88	402	75	30	327	239	87	153	0	21
1949	56	38	61	124	11	71	336	71	29	272	209	80	113	0	17
1950	53	39	64	125	13	65	404	77	28	292	196	86	85	0	18
1951	57	41	67	122	14	69	308	69	32	220	213	70	108	0	19
1952	60	43	71	121	15	71	221	59	34	214	169	87	121	0	22
1953	66	45	76	130	15	77	258	64	39	217	198	87	134	0	21
1954	62	47	79	130	16	69	260	58	52	220	143	86	105	0	19
1955	71	47	84	129	15	83	399	83	45	252	88	88	128	0	27
1956	65	50	84	129	19	73	356	66	40	219	139	74	108	0	27
1957	56	51	84	127	21	59	305	79	36	208	106	74	72	0	25
1958	56	51	80	117	25	58	292	78	34	199	129	75	65	0	33
1959	68	54	78	112	31	76	278	67	42	211	121	77	108	0	40
1960	66	55	76	111	33	72	221	67	44	174	142	83	101	0	38
1961	71	61	79	115	41	76	235	72	45	192	168	103	107	0	40
1962	72	63	79	111	44	76	159	62	51	191	77	80	111	0	43
1963	80	67	81	105	50	87	168	71	58	182	180	121	129	0	45
1964	84	71	84	104	56	90	156	81	65	170	137	105	131	0	50
1965	84	75	84	106	61	88	137	86	64	195	105	95	120	0	57
1966	77	80	87	106	70	77	133	84	74	184	124	94	76	0	62
1967	78	85	91	106	76	77	139	94	83	205	116	115	59	0	69
1968	89	86	91	104	78	91	124	95	91	202	84	105	93	0	78
1969	84	89	93	106	82	84	95	86	77	195	112	80	88	0	73
1970	89	93	97	105	88	90	132	94	71	182	73	97	96	0	81
1971	93	96	101	106	90	92	132	89	72	165	109	91	106	0	80
1972	97	99	101	107	96	96	100	85	73	172	67	112	124	0	74
1973	92	94	97	102	90	94	68	103	78	151	125	91	101	0	87
1974	88	97	110	100	88	87	71	91	97	136	37	92	91	0	73
1975	89	92	98	99	86	88	83	97	116	110	94	90	62	0	92
1976	93	99	101	100	97	89	128	94	116	119	41	105	74	0	86
1977	100	100	100	100	100	100	100	100	100	100	100	100	100	0	100
1978	101	100	91	98	107	100	98	106	126	98	62	76	75	0	107
1979	111	102	84	96	115	115	84	116	118	100	60	70	82	0	139
1980	87	103	89	96	112	83	48	85	144	75	51	77	61	0	77
1981	112	105	87	99	118	112	124	112	216	92	82	93	87	0	95
1982	114	103	79	101	118	118	142	113	198	86	43	91	95	0	108
1983	89	103	81	100	118	82	176	101	131	77	70	82	53	0	77
1984	112	105	77	95	125	112	336	105	172	80	41	66	99	0	98
1985 15/	108	107	73	98	131	105	567	109	143	94	52	79	93	0	86

1/ Horses and mules excluded. 2/ Includes clipped wool, honey, and beeswax. These items are not included in the separate groups of livestock and livestock products shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Butter, butterfat, wholesale milk, retail milk, and milk consumed on farms. 5/ Chicken eggs, commercial broilers, chickens, and turkeys. 6/ Includes hayseeds, pasture seeds, and cover-crop seeds, and some miscellaneous crop production not included in separate groups of crops shown. Farm gardens excluded after 1964. 7/ Corn for grain, oats, barley, and sorghum grain. 8/ All hay, sorghum forage, sorghum silage, and corn silage. 9/ All wheat and rice. 10/ Potatoes, sweetpotatoes, truck crops for processing, and truck crops for fresh market. 11/ Fruits, berries, and tree nuts. Citrus production is on year of harvest 1960 to date. Earlier years on year of bloom. 12/ Sugarcane for sugar and seed, sugarcane syrup, and sorghum syrup. 13/ Because of the small quantity of tobacco produced, the index is not shown separately but is included in total crop production. 14/ Soybeans, peanuts for nuts, and cottonseed. Tungnuts and peanuts hogged were excluded after 1964. 15/ Preliminary.

Table 9--Farm production: indexes of farm output by enterprise groups, Southern Plains region, 1947-85
(1977=100)

Year	Farm output	Livestock and livestock products 1/					Crops								
		All 2/	Meat animals 3/	Dairy products 4/	Poultry and eggs 5/	All 6/	Feed grains 7/	Hay and forage 8/	Food grains 9/	Vegetables 10/	Fruits and nuts 11/	Sugar crops 12/	Cotton	Tobacco	Oil crops 13/
1947	61	53	43	114	53	64	39	55	71	121	176	0	63	0	51
1948	55	51	42	107	49	57	37	64	53	108	130	0	59	0	48
1949	71	53	44	106	55	79	43	58	58	120	103	0	112	0	74
1950	55	56	48	110	56	53	59	61	27	111	96	0	54	0	45
1951	56	57	50	103	57	54	36	57	27	81	47	0	76	0	49
1952	58	58	51	99	59	55	28	48	52	94	58	0	69	0	43
1953	59	56	49	100	57	57	30	61	39	100	69	0	80	0	53
1954	60	56	49	99	57	58	48	51	43	102	54	0	71	0	43
1955	61	58	52	97	57	59	54	73	22	110	70	0	76	0	52
1956	57	59	52	98	65	52	40	42	36	110	54	0	65	0	40
1957	60	54	45	96	65	59	74	61	30	107	93	0	66	0	43
1958	69	55	47	95	68	73	84	56	61	109	70	0	78	0	55
1959	69	60	52	93	70	71	78	56	51	100	73	0	81	0	56
1960	74	61	55	92	66	76	78	61	66	114	97	0	81	0	58
1961	75	65	57	97	75	76	72	61	64	105	77	0	87	0	62
1962	71	66	60	96	74	67	61	63	45	99	44	0	85	0	59
1963	72	68	62	92	76	68	66	59	49	104	63	0	80	0	56
1964	73	69	63	91	80	69	62	73	60	107	66	0	74	0	58
1965	81	69	62	94	81	81	78	75	75	110	95	0	85	0	63
1966	72	71	65	93	87	67	81	72	64	92	52	0	57	0	59
1967	72	74	67	96	94	66	85	80	59	110	101	0	50	0	56
1968	80	75	69	94	93	79	91	95	79	100	76	0	64	0	70
1969	75	80	76	94	92	70	87	76	70	108	78	0	53	0	61
1970	78	88	85	96	100	71	94	80	60	110	86	0	57	0	59
1971	72	87	84	100	97	62	85	84	47	106	94	0	47	0	52
1972	83	94	92	102	99	76	88	79	54	100	120	0	78	0	72
1973	95	96	95	98	96	96	117	105	88	108	110	0	86	0	79
1974	79	101	102	101	96	70	95	86	72	88	94	0	47	0	58
1975	88	94	94	95	92	81	119	92	101	88	111	0	43	0	61
1976	90	95	93	98	102	84	117	92	91	99	70	0	59	0	68
1977	100	100	100	100	100	100	100	100	100	100	100	0	100	0	100
1978	88	96	93	101	107	82	91	96	77	110	68	0	70	0	82
1979	103	98	94	99	120	107	94	120	117	104	135	0	102	0	109
1980	85	103	99	106	124	78	74	86	110	99	49	0	60	0	62
1981	112	103	99	107	130	105	99	107	120	103	131	0	103	0	88
1982	98	107	104	110	124	87	102	106	120	109	76	0	50	0	78
1983	86	103	98	115	124	73	67	116	97	108	118	0	43	0	55
1984	92	101	95	111	125	85	87	95	110	110	65	0	66	0	69
1985 14/	102	101	95	115	131	94	99	133	111	109	64	0	73	0	70

1/ Horses and mules excluded. 2/ Includes clipped wool, mohair, honey, and beeswax. These items are not included in the separate groups of livestock and livestock products shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Butter, butterfat, wholesale milk, retail milk, and milk consumed on farms. 5/ Chicken eggs, commercial broilers, chickens, and turkeys. 6/ Includes hayseeds, pasture seeds, and cover-crop seeds, and some miscellaneous crop production not included in separate groups of crops shown. Farm gardens excluded after 1964. 7/ Corn for grain, oats, barley, and sorghum grain. 8/ All hay, sorghum forage, sorghum silage, and corn silage. 9/ All wheat, rye, and rice. 10/ Potatoes, sweetpotatoes, truck crops for processing, and truck crops for fresh market. 11/ Fruits, berries, and tree nuts. Citrus production is on year of harvest 1960 to date. Earlier years on year of bloom. 12/ Because of the small quantities produced, the index is not shown separately but is included in total crop production. 13/ Soybeans, peanuts for nuts, cottonseed, and flaxseed. Peanuts hogged were excluded after 1964. 14/ Preliminary.

Table 10--Farm production: indexes of farm output by enterprise groups, Mountain region, 1947-85
(1977=100)

Year	Farm output	Livestock and livestock products 1/					Crops									
		All 2/	Meat animals 3/	Dairy products 4/	Poultry and eggs 5/	All 6/	Feed grains 7/	Hay and forage 8/	Food grains 9/	Vegetables 10/	Fruits and nuts 11/	Sugar crops 12/	Cotton	Tobacco	Oil crops 13/
1947	61	60	54	73	80	59	36	55	68	69	58	110	32	0	53
1948	63	61	55	71	78	62	39	54	74	75	53	69	43	0	76
1949	61	60	53	68	86	60	40	54	60	68	53	78	63	0	74
1950	62	62	56	69	87	61	40	56	65	71	37	94	50	0	57
1951	65	67	62	69	88	62	30	55	69	62	46	78	82	0	82
1952	69	68	64	68	83	67	28	64	73	66	55	73	98	0	91
1953	74	69	65	73	79	72	30	67	81	72	39	85	107	0	103
1954	68	71	67	76	84	63	42	61	54	68	53	85	94	0	95
1955	71	70	67	75	80	67	48	67	65	68	50	80	76	0	80
1956	70	71	67	75	81	66	39	68	58	73	47	88	86	0	86
1957	74	69	64	76	80	74	61	78	66	76	52	105	76	0	79
1958	80	73	69	77	82	79	61	74	84	86	46	106	79	0	84
1959	78	74	71	79	82	75	58	71	71	86	53	109	80	0	81
1960	78	76	73	80	82	75	52	72	71	83	43	112	88	0	88
1961	78	77	74	81	89	73	49	73	59	94	49	114	87	0	86
1962	80	78	75	81	85	76	57	81	59	85	52	121	93	0	95
1963	83	82	80	81	86	78	54	81	60	92	51	154	85	0	88
1964	81	83	83	81	81	75	54	80	64	76	63	136	81	0	83
1965	86	85	85	82	81	80	63	87	68	92	60	119	78	0	81
1966	84	89	89	82	89	77	67	81	72	97	61	120	53	0	58
1967	89	92	93	83	96	82	69	91	85	91	67	130	47	0	53
1968	92	95	97	85	89	85	69	86	88	90	79	152	70	0	74
1969	94	99	101	85	89	87	83	92	75	97	96	176	60	0	64
1970	95	104	107	87	91	87	90	97	78	98	78	140	48	0	54
1971	99	107	111	87	91	89	85	94	91	98	79	147	51	0	56
1972	98	110	114	93	93	89	86	99	81	97	68	151	63	0	69
1973	98	110	114	91	95	92	88	104	88	97	105	125	61	0	69
1974	98	104	110	78	93	96	73	100	103	100	78	111	92	0	91
1975	104	102	104	95	100	98	85	102	116	97	110	141	52	0	57
1976	108	103	104	97	102	103	94	102	126	105	91	138	73	0	75
1977	100	100	100	100	100	100	100	100	100	100	100	100	100	0	100
1978	112	107	108	101	106	109	109	110	113	114	98	115	94	0	96
1979	106	104	104	105	106	108	108	109	106	106	104	106	111	0	110
1980	114	109	108	114	105	114	106	106	134	107	98	123	118	0	118
1981	127	110	106	124	113	122	124	112	145	101	113	135	134	0	131
1982	121	109	105	131	110	118	133	113	146	101	106	104	95	0	103
1983	114	112	107	136	112	109	115	109	142	92	120	95	66	0	69
1984	115	110	105	132	112	112	132	109	124	102	100	92	98	0	101
1985 14/	115	112	105	145	110	106	118	100	111	113	121	93	86	0	92

1/ Horses and mules excluded. 2/ Includes clipped wool, mohair, honey, and beeswax. These items are not included in the separate groups of livestock and livestock products shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Butter, butterfat, wholesale milk, retail milk, and milk consumed on farms. 5/ Chicken eggs, commercial broilers, chickens, and turkeys. 6/ Includes hayseeds, pasture seeds, and cover-crop seeds, and some miscellaneous crop production not included in separate groups of crops shown. Farm gardens excluded after 1964. 7/ Corn for grain, oats, barley, and sorghum grain. 8/ All hay, sorghum forage, sorghum silage, and corn silage. 9/ All wheat and rye. 10/ Potatoes, sweetpotatoes, dry edible beans, dry field peas, truck crops for processing, and truck crops for fresh market. 11/ Fruits, berries, and tree nuts. Citrus production is on year of harvest 1960 to date. Earlier years on year of bloom. 12/ Sugar beets. 13/ Peanuts for nuts, flaxseed, and cottonseed. 14/ Preliminary.

Table 11--Farm production: indexes of farm output by enterprise groups, Pacific region, 1947-85
(1977=100)

Year	Farm output	Livestock and livestock products 1/				Crops								
		All 2/	Meat animals 3/	Dairy products 4/	Poultry and eggs 5/	All 6/	Feed grains 7/	Hay and forage 8/	Food grains 9/	Vegetables 10/	Fruits and nuts 11/	Sugar crops 12/	Cotton	Tobacco	Oil crops 13/
1947	52	50	58	56	33	53	56	65	51	46	71	44	28	0	0
1948	52	50	58	54	35	54	62	61	59	47	64	40	35	0	0
1949	54	53	60	55	42	54	59	58	51	47	68	36	45	0	0
1950	55	56	64	55	45	56	74	65	55	48	67	55	35	0	0
1951	59	59	70	55	49	60	55	61	61	51	68	39	63	0	0
1952	61	61	72	55	51	62	67	65	66	52	70	39	65	0	0
1953	62	64	75	60	53	62	67	68	69	53	66	50	63	0	0
1954	64	66	77	62	54	63	108	69	59	54	69	66	53	0	0
1955	63	68	84	64	54	63	112	72	49	58	72	49	43	0	0
1956	66	69	81	65	58	66	117	75	53	63	71	53	52	0	0
1957	66	68	75	67	58	66	144	78	56	62	64	65	55	0	0
1958	67	70	78	67	61	66	119	75	58	63	67	57	57	0	0
1959	71	73	85	69	64	71	126	76	63	63	70	71	69	0	0
1960	70	76	88	71	68	68	119	78	57	62	66	63	70	0	0
1961	70	80	93	71	75	67	117	79	51	66	67	71	61	0	0
1962	73	81	94	72	78	70	118	79	61	66	67	77	69	0	0
1963	74	82	100	71	76	71	114	86	62	65	72	96	61	0	0
1964	77	84	100	73	80	75	117	88	69	65	79	106	63	0	0
1965	76	86	104	73	81	73	117	88	71	69	71	94	60	0	0
1966	77	87	105	74	85	75	122	88	73	75	78	80	44	0	0
1967	75	89	106	74	91	71	116	88	86	76	65	63	37	0	0
1968	81	90	108	76	88	79	109	87	87	87	70	92	56	0	0
1969	81	89	106	75	91	79	108	89	80	81	82	95	47	0	0
1970	81	94	111	80	95	78	122	90	83	81	76	114	42	0	0
1971	84	94	108	83	97	81	125	96	92	81	79	122	40	0	0
1972	86	98	112	88	95	84	102	99	98	89	71	137	63	0	0
1973	89	95	110	87	88	89	100	97	90	91	91	108	63	0	0
1974	95	97	109	89	94	97	91	99	117	97	93	89	93	0	0
1975	100	97	108	91	95	99	112	98	145	97	94	131	70	0	0
1976	103	100	107	97	99	101	114	99	135	94	99	128	89	0	0
1977	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0
1978	98	101	100	100	103	96	111	96	121	99	94	97	70	0	0
1979	109	106	105	106	110	109	106	98	134	106	107	93	122	0	0
1980	117	111	103	113	117	117	122	105	175	103	121	92	111	0	0
1981	123	116	113	118	118	119	131	105	193	106	114	101	127	0	0
1982	121	118	116	121	116	118	152	106	156	111	123	76	110	0	0
1983	113	118	110	125	115	109	133	103	145	107	117	78	71	0	0
1984	125	122	117	128	119	121	163	109	157	117	126	84	104	0	0
1985 14/	124	124	107	140	118	118	151	109	138	117	119	78	113	0	0

1/ Horses and mules excluded. 2/ Includes wool, mohair, honey, and beeswax. These items are not included in the separate groups of livestock and livestock products shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Butter, butterfat, wholesale milk, retail milk, and milk consumed on farms. 5/ Chicken eggs, commercial broilers, chickens, and turkeys. 6/ Includes hayseeds, pasture seeds, and cover-crop seeds, and some miscellaneous crop production not included in separate groups of crops shown. Farm gardens excluded after 1964. 7/ Corn for grain, oats, barley, and sorghum grain. 8/ All hay, sorghum forage, sorghum silage, and corn silage. 9/ All wheat and rye. 10/ Potatoes, sweetpotatoes, dry edible beans, dry field peas, truck crops for processing, and truck crops for fresh market. 11/ Fruits, berries, and tree nuts. Citrus production is on year of harvest 1960 to date. Earlier years on year of bloom. 12/ Sugar beets. 13/ Because of the small quantity of flaxseed and cottonseed produced, the index is not shown separately but is included in total crop production. 14/ Preliminary.

Table 12--Acreages of crops harvested and used for specified purposes, United States, 1947-85

Year	Crops harvested 1/	Acreages used to produce goods for--				Total U.S. population, July 1 5/
		Exports 2/	Domestic use			
			Feed for workstock 3/	Other 4/	Per capita	
	Million acres				Acres	Millions
1947	355	42	26	287	1.99	144
1948	356	52	24	280	1.90	147
1949	360	45	22	293	1.97	149
1950	345	50	19	276	1.82	152
1951	344	59	18	267	1.73	154
1952	349	36	15	298	1.90	157
1953	348	31	13	304	1.90	160
1954	346	37	11	298	1.84	162
1955	340	47	10	283	1.72	165
1956	324	60	9	255	1.52	168
1957	324	48	8	268	1.57	171
1958	324	44	7	273	1.57	174
1959	324	61	6	257	1.45	178
1960	324	64	5	255	1.41	181
1961	302	67	4	231	1.26	184
1962	295	66	4	225	1.20	187
1963	298	77	4	217	1.15	189
1964	298	74	4	220	1.15	192
1965	298	76	6/	222	1.14	194
1966	294	69	6/	225	1.14	197
1967	306	69	6/	237	1.19	199
1968	300	54	6/	246	1.22	201
1969	290	61	6/	229	1.13	203
1970	293	72	6/	221	1.08	205
1971	305	62	6/	243	1.17	208
1972	294	91	6/	203	.97	210
1973	321	96	6/	225	1.06	212
1974	328	99	6/	229	1.07	214
1975	336	100	6/	236	1.09	216
1976	337	97	6/	240	1.10	218
1977	345	112	6/	233	1.06	220
1978	338	114	6/	224	1.00	223
1979	348	125	6/	223	.99	225
1980	352	137	6/	215	.94	228
1981	366	129	6/	237	1.03	230
1982	362	113	6/	249	1.07	232
1983	306	124	6/	182	.77	235
1984	348	96	6/	252	1.06	237
1985 7/	343	87	6/	256	1.07	239

1/ Area in principal crops harvested as reported by the Crop Reporting Board plus acreages in fruits, tree nuts, and farm gardens. 2/ Acreages for exports relate to exports for year beginning July 1 through 1974 and for October 1 thereafter. 3/ On farms, in cities and mines. 4/ Includes products used by military forces in this country and abroad and by the domestic civilian population. 5/ Includes persons in military forces in this country and abroad. 6/ Data for horses and mules discontinued after 1964. 7/ Preliminary.

Table 13--Cropland used for crops and index of crop production per acre, United States, 1947-85

Year	Cropland used for crops					Index of crop production per acre (1977=100)
	Cropland harvested 1/	Crop failure	Cultivated summer fallow	Total	Index (1977=100) 2/	
	Million acres					
1947	346	8	19	373	99	57
1948	348	9	21	378	100	64
1949	352	9	26	387	102	60
1950	336	12	29	377	100	59
1951	336	17	28	381	102	59
1952	341	11	28	380	100	62
1953	341	13	26	380	100	62
1954	339	13	28	380	100	61
1955	333	16	29	378	100	63
1956	317	22	30	369	98	64
1957	316	12	30	358	95	65
1958	316	9	30	355	94	73
1959	317	10	31	358	95	72
1960	317	6	32	355	94	77
1961	296	11	33	340	90	78
1962	287	10	34	331	88	81
1963	291	10	36	337	89	83
1964	292	6	37	335	89	81
1965	292	6	38	336	89	85
1966	289	5	38	332	88	83
1967	301	7	32	340	90	86
1968	296	6	33	335	89	89
1969	286	6	41	333	88	91
1970	289	5	38	332	88	88
1971	300	6	34	340	90	96
1972	289	7	38	334	88	99
1973	316	5	31	352	93	99
1974	322	8	31	361	96	88
1975	330	6	31	367	97	96
1976	330	8	31	369	98	94
1977	338	9	31	378	100	100
1978	330	7	32	369	97	105
1979	340	6	32	378	100	113
1980	342	10	30	382	101	100
1981	351	6	30	387	102	115
1982	347	5	31	383	101	116
1983	294	5	34	333	88	100
1984	337	6	30	373	99	112
1985 3/	334	7	31	372	98	119

1/ Land supporting one or more harvested crops. 2/ Computed from unrounded data. 3/ Preliminary.

Source: Natural Resource Economics Division, ERS.

Table 14--Cropland used for crops, Northeast region, 1947-85

Year	Cropland harvested 1/	Crop failure	Cultivated summer fallow 2/	Cropland used for crops
	Million acres			
1947	17.9	0.2	0	18.1
1948	17.8	.1	0	17.9
1949	17.1	.1	0	17.2
1950	16.9	.2	0	17.1
1951	16.9	.1	0	17.0
1952	16.8	.1	0	16.9
1953	16.7	.1	0	16.8
1954	16.4	.2	0	16.6
1955	16.2	.2	0	16.4
1956	15.7	.2	0	15.9
1957	15.5	.2	0	15.7
1958	15.3	.2	0	15.5
1959	14.9	.3	0	15.2
1960	14.8	.1	0	14.9
1961	14.3	.2	0	14.5
1962	14.0	.2	0	14.2
1963	14.0	.2	0	14.2
1964	13.8	.2	0	14.0
1965	13.5	.2	0	13.7
1966	13.6	.1	0	13.7
1967	13.2	.2	0	13.4
1968	12.6	.1	0	12.7
1969	12.1	.1	0	12.2
1970	12.4	.1	0	12.5
1971	12.5	.1	0	12.6
1972	12.1	.2	0	12.3
1973	12.5	.1	0	12.6
1974	12.8	.1	0	12.9
1975	12.8	.2	0	13.0
1976	13.0	.1	0	13.1
1977	13.0	.2	0	13.2
1978	13.1	.1	0	13.2
1979	13.3	.1	0	13.4
1980	13.5	.1	0	13.6
1981	13.5	.1	0	13.6
1982	13.5	.1	0	13.6
1983	12.7	.1	0	12.8
1984	13.2	.1	0	13.3
1985 3/	13.2	.1	0	13.3

1/ Land supporting one or more harvested crops. 2/ Not estimated for farm production regions east of the Plains States. 3/ Preliminary.

Table 15--Cropland used for crops, Lake States region, 1947-85

Year	Cropland harvested 1/	Crop failure	Cultivated summer fallow 2/	Cropland used for crops
	Million acres			
1947	36.7	0.5	0	37.2
1948	37.6	.2	0	37.8
1949	38.0	.2	0	38.2
1950	37.1	.4	0	37.5
1951	37.3	.4	0	37.7
1952	37.0	.4	0	37.4
1953	37.1	.5	0	37.6
1954	37.2	.4	0	37.6
1955	37.3	.3	0	37.6
1956	36.9	.5	0	37.4
1957	35.4	1.0	0	36.4
1958	35.7	.3	0	36.0
1959	36.2	.5	0	36.7
1960	35.5	.3	0	35.8
1961	34.8	.5	0	35.3
1962	32.7	.6	0	33.3
1963	34.1	.4	0	34.5
1964	33.8	.5	0	34.3
1965	33.5	.6	0	34.1
1966	32.9	.4	0	33.3
1967	34.0	.4	0	34.4
1968	33.1	.6	0	33.7
1969	31.2	.3	0	31.5
1970	31.5	.4	0	31.9
1971	33.9	.3	0	34.2
1972	31.7	.6	0	32.3
1973	34.8	.5	0	35.3
1974	36.1	.5	0	36.6
1975	36.5	.8	0	37.3
1976	37.8	.5	0	38.3
1977	38.8	.5	0	39.3
1978	37.7	.4	0	38.1
1979	38.5	.3	0	38.8
1980	39.0	.8	0	39.8
1981	39.8	.5	0	40.3
1982	39.5	.3	0	39.8
1983	33.3	.5	0	33.8
1984	38.9	.4	0	39.3
1985 3/	38.3	.7	0	39.0

1/ Land supporting one or more harvested crops. 2/ Not estimated for farm production regions east of the Plains States. 3/ Preliminary.

Table 16--Cropland used for crops, Corn Belt region, 1947-85

Year	Cropland harvested 1/	Crop failure	Cultivated summer fallow 2/	Cropland used for crops
	Million acres			
1947	73.5	1.8	0	75.3
1948	76.9	.7	0	77.6
1949	77.2	.8	0	78.0
1950	76.4	.8	0	77.2
1951	75.5	1.9	0	77.4
1952	77.1	.7	0	77.8
1953	78.2	.6	0	78.8
1954	78.2	1.2	0	79.4
1955	78.9	.6	0	79.5
1956	76.2	2.3	0	78.5
1957	75.6	1.6	0	77.2
1958	75.2	1.7	0	76.9
1959	77.8	1.0	0	78.8
1960	77.6	.8	0	78.4
1961	70.1	1.5	0	71.6
1962	69.3	1.4	0	70.7
1963	71.6	.9	0	72.5
1964	71.6	.4	0	72.0
1965	71.7	.7	0	72.4
1966	72.2	.5	0	72.7
1967	75.0	1.2	0	76.2
1968	71.9	.7	0	72.6
1969	69.3	1.4	0	70.7
1970	70.8	.8	0	71.6
1971	74.6	.6	0	75.2
1972	71.9	.9	0	72.8
1973	78.6	.6	0	79.2
1974	80.8	1.1	0	81.9
1975	82.4	.4	0	82.8
1976	83.3	.5	0	83.8
1977	84.9	.7	0	85.6
1978	83.0	.4	0	83.4
1979	85.7	.4	0	86.1
1980	86.8	.5	0	87.3
1981	86.9	.6	0	87.5
1982	85.8	.7	0	86.5
1983	70.9	.5	0	71.4
1984	84.2	.7	0	84.9
1985 3/	84.7	.6	0	85.3

1/ Land supporting one or more harvested crops. 2/ Not estimated for farm production regions east of the Plains States. 3/ Preliminary.

Table 17--Cropland used for crops, Northern Plains region, 1947-85

Year	Cropland harvested 1/	Crop failure	Cultivated summer fallow	Cropland used for crops
	Million acres			
1947	80.6	1.8	7.3	89.7
1948	78.8	2.5	9.3	90.6
1949	79.5	3.4	11.0	93.9
1950	78.5	3.1	11.7	93.3
1951	77.3	5.3	11.2	93.8
1952	80.5	2.1	11.2	93.8
1953	79.9	3.4	10.7	94.0
1954	80.6	3.1	11.8	95.5
1955	77.9	4.5	12.2	94.6
1956	72.3	7.9	12.6	92.8
1957	73.9	3.2	13.0	90.1
1958	75.4	1.5	13.5	90.4
1959	73.0	3.3	13.9	90.2
1960	75.1	1.6	14.8	91.5
1961	66.9	4.3	15.7	86.9
1962	66.5	2.3	16.5	85.3
1963	67.0	2.8	17.3	87.1
1964	66.4	1.6	18.2	86.2
1965	67.0	1.3	18.9	87.2
1966	66.6	1.2	19.7	87.5
1967	70.2	1.6	16.4	88.2
1968	67.4	1.6	17.2	86.2
1969	65.4	1.0	21.9	88.3
1970	65.8	1.0	20.1	86.9
1971	69.9	1.0	17.6	88.5
1972	65.1	1.1	21.0	87.2
1973	72.2	.9	16.8	89.9
1974	73.8	1.2	15.5	90.5
1975	73.8	1.2	15.7	90.7
1976	71.8	2.5	15.8	90.1
1977	74.1	1.8	15.9	91.8
1978	71.4	.8	16.2	88.4
1979	73.3	1.3	16.0	90.6
1980	72.2	4.1	15.1	91.4
1981	77.3	1.6	14.6	93.5
1982	77.6	1.1	15.0	93.7
1983	65.6	1.1	17.3	84.0
1984	76.3	1.3	15.0	92.6
1985 2/	75.2	1.4	15.8	92.4

1/ Land supporting one or more harvested crops. 2/ Preliminary.

Table 18--Cropland used for crops, Appalachian region, 1947-85

Year	Cropland harvested 1/	Crop failure	Cultivated summer fallow 2/	Cropland used for crops
	Million acres			
1947	21.9	0.2	0	22.1
1948	21.8	.1	0	21.9
1949	22.0	.3	0	22.3
1950	20.8	.3	0	21.1
1951	20.8	.4	0	21.2
1952	20.5	.3	0	20.8
1953	20.3	.3	0	20.6
1954	19.7	.3	0	20.0
1955	19.4	.5	0	19.9
1956	18.5	.4	0	18.9
1957	16.9	.6	0	17.5
1958	16.8	.4	0	17.2
1959	17.1	.3	0	17.4
1960	16.8	.3	0	17.1
1961	15.8	.3	0	16.1
1962	15.0	.4	0	15.4
1963	14.9	.3	0	15.2
1964	14.8	.2	0	15.0
1965	14.9	.2	0	15.1
1966	14.7	.3	0	15.0
1967	15.3	.4	0	15.7
1968	15.3	.2	0	15.5
1969	14.6	.2	0	14.8
1970	14.6	.3	0	14.9
1971	15.9	.3	0	16.2
1972	15.1	.5	0	15.6
1973	16.1	.3	0	16.4
1974	16.9	.2	0	17.1
1975	17.3	.2	0	17.5
1976	17.6	.2	0	17.8
1977	18.2	.3	0	18.5
1978	18.1	.2	0	18.3
1979	18.9	.1	0	19.0
1980	19.0	.1	0	19.1
1981	19.2	.2	0	19.4
1982	19.2	.1	0	19.3
1983	16.4	.2	0	16.6
1984	18.4	.2	0	18.6
1985 3/	18.5	.2	0	18.7

1/ Land supporting one or more harvested crops. 2/ Not estimated for farm production regions east of the Plains States. 3/ Preliminary.

Table 19--Cropland used for crops, Southeast region, 1947-85

Year	Cropland harvested 1/	Crop failure	Cultivated summer fallow 2/	Cropland used for crops
	Million acres			
1947	19.2	0.8	0	20.0
1948	19.1	.6	0	19.7
1949	19.5	.7	0	20.2
1950	18.0	.7	0	18.7
1951	18.0	.7	0	18.7
1952	18.1	.9	0	19.0
1953	18.1	.8	0	18.9
1954	16.5	1.1	0	17.6
1955	16.3	1.0	0	17.3
1956	15.3	.8	0	16.1
1957	14.3	.8	0	15.1
1958	13.1	.6	0	13.7
1959	13.9	.7	0	14.6
1960	12.9	.4	0	13.3
1961	12.3	.4	0	12.7
1962	11.6	.3	0	11.9
1963	11.8	.3	0	12.1
1964	11.7	.2	0	11.9
1965	11.3	.2	0	11.5
1966	10.8	.2	0	11.0
1967	11.5	.5	0	12.0
1968	11.6	.2	0	11.8
1969	11.2	.3	0	11.5
1970	11.4	.3	0	11.7
1971	12.3	.2	0	12.5
1972	12.0	.1	0	12.1
1973	12.6	.1	0	12.7
1974	13.2	.1	0	13.3
1975	13.5	.2	0	13.7
1976	13.7	.2	0	13.9
1977	12.6	2.0	0	14.6
1978	14.1	.3	0	14.4
1979	14.5	.2	0	14.7
1980	14.1	.6	0	14.7
1981	14.4	.4	0	14.8
1982	14.5	.2	0	14.7
1983	13.0	.2	0	13.2
1984	14.1	.2	0	14.3
1985 3/	12.9	.4	0	13.3

1/ Land supporting one or more harvested crops. 2/ Not estimated for farm production regions east of the Plains States. 3/ Preliminary.

Table 20--Cropland used for crops, Delta States region, 1947-85

Year	Cropland harvested 1/	Crop failure	Cultivated summer fallow 2/	Cropland used for crops
	Million acres			
1947	15.5	0.5	0	16.0
1948	15.9	.4	0	16.3
1949	16.0	.6	0	16.6
1950	14.9	.4	0	15.3
1951	14.7	.7	0	15.4
1952	14.7	.4	0	15.1
1953	14.3	.6	0	14.9
1954	14.2	.6	0	14.8
1955	13.8	.5	0	14.3
1956	13.2	.5	0	13.7
1957	12.3	.9	0	13.2
1958	11.9	.6	0	12.5
1959	12.5	.6	0	13.1
1960	12.3	.5	0	12.8
1961	12.3	.5	0	12.8
1962	12.3	.4	0	12.7
1963	12.6	.5	0	13.1
1964	13.3	.2	0	13.5
1965	13.5	.2	0	13.7
1966	13.3	.3	0	13.6
1967	14.6	.3	0	14.9
1968	15.5	.6	0	16.1
1969	15.5	.4	0	15.9
1970	15.9	.4	0	16.3
1971	16.0	.3	0	16.3
1972	16.0	.4	0	16.4
1973	16.2	.3	0	16.5
1974	16.3	.5	0	16.8
1975	16.9	.3	0	17.2
1976	18.0	.5	0	18.5
1977	18.9	.4	0	19.3
1978	18.9	.3	0	19.2
1979	19.4	.3	0	19.7
1980	19.2	.5	0	19.7
1981	19.3	.3	0	19.6
1982	19.0	.2	0	19.2
1983	16.0	.2	0	16.2
1984	18.1	.3	0	18.4
1985 3/	17.5	.2	0	17.7

1/ Land supporting one or more harvested crops. 2/ Not estimated for farm production regions east of the Plains States. 3/ Preliminary.

Table 21--Cropland used for crops, Southern Plains region, 1947-85

Year	Cropland harvested 1/	Crop failure	Cultivated summer fallow	Cropland used for crops
	Million acres			
1947	41.5	1.1	0.7	43.3
1948	40.1	2.5	.8	43.4
1949	42.0	1.3	1.4	44.7
1950	34.9	4.0	2.8	41.7
1951	35.7	5.6	2.1	43.4
1952	36.0	4.2	1.6	41.8
1953	34.6	4.6	2.1	41.3
1954	36.1	3.3	2.1	41.5
1955	33.0	6.2	2.2	41.4
1956	30.2	6.4	2.3	38.9
1957	32.0	2.9	2.4	37.3
1958	32.4	1.9	2.5	36.8
1959	32.1	2.9	2.6	37.6
1960	32.6	1.7	2.9	37.2
1961	30.9	1.8	3.1	35.8
1962	28.3	2.7	3.4	34.4
1963	27.7	3.4	3.7	34.8
1964	28.6	1.6	3.9	34.1
1965	29.2	.8	4.0	34.0
1966	27.0	.9	4.1	32.0
1967	28.2	.8	2.6	31.6
1968	29.9	.6	2.0	32.5
1969	28.7	1.0	4.2	33.9
1970	27.7	1.2	2.8	31.7
1971	25.9	2.3	2.5	30.7
1972	25.7	2.0	2.1	29.8
1973	31.5	1.1	1.9	34.5
1974	29.9	3.4	1.8	35.1
1975	33.3	1.6	2.0	36.9
1976	31.5	2.6	2.1	36.2
1977	34.3	1.9	2.2	38.4
1978	30.5	3.0	2.3	35.8
1979	32.7	2.0	2.3	37.0
1980	32.6	2.6	2.2	37.4
1981	34.3	1.2	2.5	38.0
1982	32.8	1.7	2.4	36.9
1983	25.1	1.4	2.2	28.7
1984	28.9	2.2	1.6	32.7
1985 2/	30.5	1.7	1.9	34.1

1/ Land supporting one or more harvested crops. 2/ Preliminary.

Table 22--Cropland used for crops, Mountain region, 1947-85

Year	Cropland harvested 1/	Crop failure	Cultivated summer fallow	Cropland used for crops
	Million acres			
1947	23.7	0.9	6.1	30.7
1948	24.1	1.0	6.8	31.9
1949	24.9	1.2	8.6	34.7
1950	23.6	1.6	10.0	35.2
1951	24.1	1.9	9.9	35.9
1952	24.9	1.5	10.2	36.6
1953	25.5	1.8	8.5	35.8
1954	23.5	2.5	10.2	36.2
1955	23.7	2.4	10.1	36.2
1956	22.6	3.0	10.1	35.7
1957	24.3	.9	10.0	35.2
1958	24.5	.8	10.0	35.3
1959	23.8	.7	9.9	34.4
1960	23.5	.6	10.0	34.1
1961	22.5	1.2	10.1	33.8
1962	22.5	1.2	10.2	33.9
1963	22.2	1.4	10.4	34.0
1964	22.1	1.3	10.5	33.9
1965	22.5	1.4	10.6	34.5
1966	22.4	.8	10.6	33.8
1967	23.2	1.2	9.7	34.1
1968	23.0	1.0	10.1	34.1
1969	23.4	.7	10.8	34.9
1970	23.6	.8	10.2	34.6
1971	24.1	.9	9.4	34.4
1972	23.4	1.0	10.6	35.0
1973	25.1	.7	9.1	34.9
1974	25.2	.9	9.8	35.9
1975	25.6	1.5	9.8	36.9
1976	25.8	1.0	9.8	36.6
1977	25.7	1.0	9.8	36.5
1978	25.9	.9	9.8	36.6
1979	26.0	1.0	10.2	37.2
1980	26.7	1.0	9.9	37.6
1981	27.8	.6	9.7	38.1
1982	26.9	.7	9.8	37.4
1983	25.1	.7	10.5	36.3
1984	27.0	1.0	10.5	38.5
1985 2/	25.2	1.9	10.3	37.4

1/ Land supporting one or more harvested crops. 2/ Preliminary.

Table 23--Cropland used for crops, Pacific region, 1947-85

Year	Cropland harvested 1/	Crop failure	Cultivated summer fallow	Cropland used for crops
	Million acres			
1947	15.5	0.2	4.5	20.2
1948	15.6	.4	4.6	20.6
1949	15.7	.4	4.7	20.8
1950	15.4	.2	4.6	20.2
1951	15.6	.3	4.7	20.6
1952	16.0	.2	4.6	20.8
1953	16.2	.2	4.4	20.8
1954	16.0	.1	4.6	20.7
1955	15.8	.2	4.5	20.5
1956	15.9	.4	4.5	20.8
1957	16.0	.1	4.4	20.5
1958	15.9	.2	4.4	20.5
1959	15.8	.3	4.4	20.5
1960	15.7	.2	4.3	20.2
1961	15.6	.2	4.3	20.1
1962	14.8	.3	4.3	19.4
1963	15.3	.2	4.3	19.8
1964	15.4	.2	4.3	19.9
1965	15.2	.2	4.3	19.7
1966	15.0	.2	4.2	19.4
1967	15.7	.2	3.8	19.7
1968	15.4	.2	4.1	19.7
1969	14.7	.2	4.2	19.1
1970	15.1	.1	4.3	19.5
1971	15.4	.1	4.0	19.5
1972	15.4	.1	4.5	20.0
1973	16.2	.2	3.6	20.0
1974	17.3	.1	3.6	21.0
1975	17.6	.1	3.6	21.3
1976	17.7	.2	3.6	21.5
1977	17.1	.2	3.6	20.9
1978	17.3	.2	3.6	21.1
1979	17.4	.3	3.6	21.3
1980	18.4	.2	3.2	21.8
1981	18.7	.2	3.3	22.2
1982	17.9	.2	3.4	21.5
1983	16.4	.1	3.6	20.1
1984	17.5	.2	3.2	20.9
1985 2/	17.6	.1	3.0	20.7

1/ Land supporting one or more harvested crops. 2/ Preliminary.

Table 24--Land: indexes of cropland used for crops, by regions, 1947-85
(1977=100)

Year	North-east	Lake States	Corn Belt	Northern Plains	Appa-lachian	South-east	Delta States	Southern Plains	Mountain	Pacific	United States
1947	137	94	88	98	120	137	83	113	84	97	99
1948	135	96	91	99	119	135	85	113	87	99	100
1949	130	97	91	102	121	138	86	116	95	99	102
1950	129	95	90	102	114	128	79	109	96	97	100
1951	128	96	90	102	115	128	80	113	98	98	102
1952	128	95	91	102	113	130	79	109	100	99	100
1953	127	95	92	102	112	129	77	108	98	99	100
1954	126	96	93	104	108	120	77	108	99	99	100
1955	124	96	93	103	108	118	74	108	99	98	100
1956	121	95	92	101	102	111	71	101	98	99	98
1957	119	92	90	98	95	103	68	97	97	98	95
1958	117	91	90	98	93	94	65	96	96	98	94
1959	115	93	92	98	94	100	68	98	94	98	95
1960	112	91	92	100	92	91	66	97	93	97	94
1961	109	90	84	95	87	87	66	93	92	96	90
1962	107	85	83	93	83	82	66	89	93	93	88
1963	107	88	85	95	82	83	68	91	93	95	89
1964	106	87	84	94	81	81	70	89	93	95	89
1965	103	87	85	95	82	79	71	89	94	94	89
1966	103	85	85	95	81	75	71	83	93	93	88
1967	101	87	89	96	85	82	77	82	93	94	90
1968	96	86	85	94	84	81	83	85	93	94	89
1969	92	80	83	96	80	79	83	88	95	91	88
1970	95	81	84	95	81	80	85	82	95	93	88
1971	96	87	88	96	88	85	85	80	94	93	90
1972	93	82	85	95	85	83	85	78	96	96	88
1973	95	90	93	98	89	87	86	90	96	95	93
1974	98	93	96	98	92	91	87	91	98	100	96
1975	98	95	97	99	95	94	89	96	101	102	97
1976	99	97	98	98	96	95	96	94	100	103	98
1977	100	100	100	100	100	100	100	100	100	100	100
1978	99	97	97	96	101	99	100	93	100	101	97
1979	101	99	101	99	103	101	102	96	102	102	100
1980	102	101	102	99	104	101	102	98	103	104	101
1981	103	102	102	102	105	101	102	99	104	106	102
1982	103	101	101	102	105	100	100	96	102	103	101
1983	97	86	83	92	90	90	84	75	99	96	88
1984	101	100	99	101	101	98	95	85	105	100	99
1985 1/	101	99	100	101	101	91	92	89	103	99	98

1/ Preliminary.

Note: Computed from unrounded data.

Table 25--Crop production: indexes of crop production per acre, by regions, 1947-85
(1977=100)

Year	North-east	Lake States	Corn Belt	Northern Plains	Appa-lachian	South-east	Delta States	Southern Plains	Mountain	Pacific	United States
1947	73	47	40	51	81	61	78	57	70	55	57
1948	78	53	57	55	86	66	104	50	71	55	64
1949	78	52	53	41	79	59	83	68	63	55	60
1950	81	51	51	49	82	62	82	49	64	58	59
1951	80	53	49	44	87	72	86	48	63	61	59
1952	77	56	55	50	84	64	90	50	67	63	62
1953	80	56	52	44	82	71	100	53	73	63	62
1954	80	56	53	44	85	63	90	54	64	64	61
1955	78	57	56	41	89	81	112	55	68	64	63
1956	84	62	59	41	97	79	103	51	67	67	64
1957	78	62	58	54	83	72	87	61	76	67	65
1958	90	65	64	69	95	81	89	76	82	67	73
1959	87	66	65	54	95	80	112	72	80	72	72
1960	93	67	67	69	100	91	109	78	81	70	77
1961	97	71	73	59	107	99	115	82	79	70	78
1962	90	71	75	70	116	107	115	75	82	75	81
1963	91	73	80	64	121	110	128	75	84	75	83
1964	92	69	75	63	121	106	129	78	81	79	81
1965	98	70	84	69	112	118	124	91	85	78	85
1966	90	78	84	71	106	105	108	81	83	81	83
1967	106	77	87	72	108	116	100	80	88	76	86
1968	102	83	89	79	101	101	110	93	91	84	89
1969	109	86	93	84	114	113	101	80	92	87	91
1970	108	85	82	75	111	111	106	87	92	84	88
1971	107	89	100	94	106	121	108	78	95	87	96
1972	92	91	102	94	112	120	113	97	93	88	99
1973	102	90	95	97	110	122	109	107	96	94	99
1974	106	78	77	77	108	125	100	77	98	97	88
1975	103	83	97	87	111	121	99	84	97	97	96
1976	102	70	94	81	113	121	93	89	103	98	94
1977	100	100	100	100	100	100	100	100	100	100	100
1978	109	102	108	110	109	114	100	88	109	95	105
1979	109	105	116	119	102	120	112	109	107	107	113
1980	104	100	102	92	95	102	81	79	111	113	100
1981	112	106	114	116	118	130	110	106	117	112	115
1982	114	114	117	120	120	133	118	91	116	115	116
1983	104	101	88	102	88	122	98	97	110	114	100
1984	116	110	105	118	116	129	118	100	107	121	112
1985 1/	120	114	124	129	111	134	114	106	103	119	119

1/ Preliminary.

Table 26--Farm production: indexes of animal units of breeding livestock and livestock production per breeding unit, United States, 1947-85

Year	Animal breeding units	Livestock production per unit	Year	Animal breeding units	Livestock production per unit
	(1977=100)			(1977=100)	
1947	108	60	1967	101	93
1948	102	63	1968	101	93
1949	103	65	1969	99	96
1950	106	66	1970	100	99
1951	107	68	1971	102	98
1952	107	69	1972	101	100
1953	105	70	1973	102	97
1954	109	71	1974	104	96
1955	110	72	1975	103	92
1956	108	73	1976	101	98
1957	107	73	1977	100	100
1958	102	77	1978	99	102
1959	102	81	1979	100	104
1960	104	79	1980	101	107
1961	102	84	1981	101	108
1962	103	83	1982	99	108
1963	105	85	1983	97	112
1964	105	87	1984	95	113
1965	102	87	1985 1/	92	120
1966	100	91			

1/ Preliminary.

Table 27--Fertilizer: primary plant nutrients and liming materials used, United States and Puerto Rico, 1947-85

Year 1/	Primary plant nutrients 2/								Liming materials 3/	
	Quantity				Index (1977=100)				Quantity	Index (1977=100)
	Nitrogen	Phosphate 4/	Potash 5/	Total 6/	Nitrogen	Phosphate	Potash	Total		
	1,000 tons								1,000 tons	
1947	836	1,775	879	3,490	8	32	15	16	30,283	97
1948	841	1,843	956	3,640	8	33	16	17	25,686	82
1949	912	1,884	1,064	3,860	9	34	18	18	27,902	89
1950	1,005	1,950	1,103	4,058	9	35	19	18	29,842	95
1951	1,238	2,110	1,380	4,728	12	38	24	21	27,583	88
1952	1,425	2,199	1,581	5,205	13	39	27	24	27,252	87
1953	1,637	2,271	1,738	5,646	15	40	30	26	20,669	66
1954	1,847	2,235	1,814	5,896	17	40	31	27	18,975	61
1955	1,960	2,284	1,865	6,109	18	41	32	28	20,659	66
1956	1,933	2,247	1,875	6,055	18	40	32	27	22,021	70
1957	2,135	2,305	1,937	6,377	20	41	33	29	22,476	72
1958	2,284	2,293	1,935	6,512	21	41	33	30	23,215	74
1959	2,672	2,551	2,191	7,414	25	45	38	34	22,726	72
1960	2,738	2,572	2,153	7,463	26	46	37	34	22,614	72
1961	3,031	2,645	2,168	7,844	28	47	37	36	22,612	72
1962	3,370	2,807	2,271	8,448	32	50	39	38	23,616	75
1963	3,929	3,073	2,503	9,505	37	55	43	43	26,119	83
1964	4,353	3,377	2,730	10,460	41	60	47	47	27,002	86
1965	4,639	3,513	2,835	10,987	44	62	49	50	28,075	90
1966	5,326	3,898	3,221	12,445	50	69	55	56	30,461	97
1967	6,027	4,305	3,642	13,974	57	76	62	63	29,202	93
1968	6,788	4,454	3,793	15,035	64	79	65	68	30,536	97
1969	6,958	4,665	3,892	15,515	65	83	67	70	28,380	90
1970	7,459	4,574	4,035	16,068	70	81	69	73	25,901	83
1971	8,134	4,803	4,231	17,168	76	85	73	78	23,703	76
1972	8,022	4,865	4,325	17,212	75	86	74	78	25,122	80
1973	8,295	5,085	4,649	18,029	78	90	80	82	23,657	75
1974	9,157	5,099	5,083	19,338	86	91	87	88	27,807	89
1975	8,608	4,511	4,453	17,572	81	80	76	80	31,128	99
1976	10,412	5,228	5,210	20,849	98	93	89	94	38,147	122
1977	10,647	5,630	5,834	22,111	100	100	100	100	31,381	100
1978	9,965	5,096	5,526	20,587	94	91	95	93	30,697	98
1979	10,715	5,606	6,244	22,565	101	100	107	102	30,979	99
1980	11,407	5,432	6,245	23,083	107	97	107	104	34,402	110
1981	11,924	5,434	6,320	23,678	112	97	108	107	29,647	95
1982	10,984	4,814	5,631	21,429	103	86	97	97	23,237	74
1983	9,127	4,138	4,831	18,096	86	74	83	82	25,383	81
1984	11,092	4,901	5,797	21,790	104	87	99	99	26,592	85
1985 7/	11,504	4,641	5,510	21,656	108	82	95	98	N/A	N/A

1/ Calendar year for 1947-49. Fertilizer year ending June 30 for 1950-85. 2/ Includes 50 States and Puerto Rico. 3/ Includes 48 States only. 4/ To convert P_2O_5 to P multiply P_2O_5 by 0.43642. 5/ To convert K_2O to K multiply K_2O by 0.83016. 6/ Includes material for nonfarm use. 7/ Preliminary.

N/A=not available.

Sources: Primary plant nutrients: Agricultural Research Service, 1947-49; National Agricultural Statistics Service and its predecessor agencies, 1950-85. Liming materials: National Stone Association.

Table 28—Fertilizer: nitrogen used as fertilizer, regions, United States and Puerto Rico, 1947-85

Year 1/	North-east	Lake States	Corn Belt	Northern Plains	Appa-lachian	South-east	Delta States	Southern Plains	Mountain	Pacific	48 States	Alaska and Hawaii	50 States	Puerto Rico	United States and Puerto Rico
							1,000 tons								
1947	87	29	70	8	136	197	110	22	15	121	795	15	810	26	836
1948	91	30	83	9	140	201	120	22	14	88	798	16	814	27	841
1949	92	27	87	15	155	209	131	24	14	112	869	18	887	25	912
1950	91	30	103	22	169	214	150	32	22	123	956	20	976	29	1,005
1951	96	35	145	28	186	250	175	44	41	171	1,171	20	1,191	47	1,238
1952	111	47	207	41	216	272	183	59	47	186	1,366	17	1,383	41	1,425
1953	126	58	295	66	227	291	187	68	58	207	1,584	20	1,604	33	1,637
1954	132	75	359	93	227	310	214	80	65	235	1,790	21	1,811	37	1,847
1955	145	92	349	106	230	327	221	86	76	265	1,897	22	1,920	41	1,960
1956	136	93	323	93	230	320	230	98	73	278	1,875	24	1,900	33	1,933
1957	143	107	363	113	243	342	236	119	90	309	2,065	31	2,096	40	2,135
1958	149	123	414	153	234	334	215	154	113	344	2,233	18	2,251	33	2,284
1959	163	152	543	208	281	381	235	162	120	373	2,618	19	2,637	35	2,672
1960	163	138	553	227	268	393	246	188	127	382	2,686	19	2,705	33	2,738
1961	164	168	635	326	271	408	248	210	150	393	2,973	25	2,998	33	3,031
1962	176	169	746	343	297	427	260	303	161	422	3,303	31	3,335	35	3,370
1963	200	203	973	404	328	456	277	389	172	468	3,870	24	3,893	36	3,929
1964	212	235	1,166	421	358	487	293	422	193	504	4,291	25	4,316	36	4,353
1965	223	246	1,317	463	360	483	301	442	207	537	4,580	26	4,606	33	4,639
1966	244	274	1,617	628	405	527	288	499	240	549	5,273	25	5,298	28	5,326
1967	255	374	1,888	701	440	579	310	542	275	609	5,975	25	6,000	27	6,027
1968	264	458	2,026	976	420	616	338	678	324	637	6,737	25	6,761	26	6,788
1969	260	559	1,947	924	458	671	346	777	367	602	6,910	27	6,937	22	6,958
1970	271	538	2,125	1,093	478	674	369	839	375	646	7,408	30	7,438	21	7,459
1971	303	709	2,422	1,128	520	692	407	835	387	678	8,081	33	8,113	20	8,134
1972	273	657	2,124	1,179	491	723	477	896	412	738	7,971	30	8,001	21	8,022
1973	322	684	2,056	1,303	515	764	446	914	457	784	8,246	29	8,275	20	8,295
1974	313	708	2,484	1,391	551	775	532	1,013	489	849	9,105	27	9,133	24	9,157
1975	304	720	2,478	1,283	543	692	425	815	466	836	8,562	27	8,589	19	8,608
1976	318	917	3,156	1,612	624	832	485	977	539	911	10,370	26	10,396	16	10,412
1977	344	942	3,096	1,711	701	903	488	1,003	515	898	10,602	28	10,630	18	10,647
1978	325	922	2,874	1,643	617	778	420	929	535	878	9,920	30	9,949	16	9,965
1979	344	1,069	3,155	1,767	608	781	400	1,036	560	952	10,672	27	10,699	16	10,715
1980	351	1,083	3,450	1,934	642	757	463	1,045	607	1,031	11,365	25	11,390	17	11,407
1981	349	1,183	3,512	1,892	737	820	565	1,120	649	1,064	11,887	21	11,908	11	11,919
1982	321	1,074	3,358	1,668	679	724	530	960	683	952	10,949	24	10,973	11	10,984
1983	285	795	2,548	1,416	574	644	458	899	625	850	9,094	21	9,115	11	9,126
1984	322	1,025	3,321	1,614	684	736	561	1,118	687	993	11,061	19	11,080	12	11,092
1985 2/	329	1,161	3,460	1,830	688	738	551	1,097	655	962	11,471	23	11,494	12	11,504

1/ Calendar year data for 1947-49. Fertilizer year ending June 30 for 1950-85. 2/ Preliminary. Details may not add due to rounding.

Table 29—Fertilizer: phosphate used as fertilizer, regions, United States and Puerto Rico, 1947-85 1/

Year 2/	North-east	Lake States	Corn Belt	Northern Plains	Appa-lachian	South-east	Delta States	Southern Plains	Mountain	Pacific	48 States	Alaska and Hawaii	50 States	Puerto Rico	United States and Puerto Rico
							1,000 tons								
1947	271	132	332	24	369	350	100	66	34	78	1,756	6	1,761	14	1,775
1948	259	162	384	31	349	333	109	79	37	78	1,820	7	1,827	16	1,843
1949	286	144	360	36	379	362	101	95	32	69	1,864	7	1,871	12	1,884
1950	289	165	380	44	384	346	102	106	39	75	1,930	8	1,937	14	1,950
1951	286	163	444	54	398	381	117	108	48	89	2,086	8	2,094	16	2,110
1952	287	177	499	64	409	379	123	104	52	88	2,180	7	2,187	12	2,199
1953	287	191	571	83	389	379	107	96	52	95	2,251	8	2,259	12	2,271
1954	267	204	591	90	356	361	102	92	59	92	2,214	8	2,223	12	2,235
1955	278	232	597	102	351	349	95	102	60	97	2,264	9	2,273	11	2,284
1956	259	234	573	91	336	358	106	107	60	104	2,228	8	2,236	11	2,247
1957	266	253	587	99	328	360	99	108	70	107	2,278	10	2,288	14	2,305
1958	266	257	603	101	315	345	90	105	79	116	2,276	6	2,283	10	2,293
1959	275	288	690	126	356	363	105	116	85	126	2,530	9	2,539	12	2,551
1960	265	282	676	140	342	373	109	126	97	142	2,552	8	2,561	12	2,572
1961	259	293	671	163	350	386	110	140	105	146	2,622	12	2,634	11	2,645
1962	267	283	737	184	362	381	120	188	104	156	2,781	11	2,792	15	2,807
1963	277	310	856	211	377	391	130	219	113	159	3,044	11	3,055	18	3,073
1964	287	377	993	236	380	397	138	232	134	177	3,350	12	3,362	15	3,378
1965	281	398	1,060	246	367	394	145	257	145	196	3,487	12	3,499	13	3,513
1966	297	413	1,292	315	394	396	147	259	163	195	3,873	12	3,885	12	3,899
1967	294	455	1,457	388	406	414	163	288	186	228	4,279	15	4,294	10	4,305
1968	288	458	1,477	439	395	433	184	303	212	238	4,427	16	4,443	10	4,454
1969	292	536	1,504	423	406	428	191	390	242	228	4,640	16	4,656	9	4,665
1970	290	476	1,501	454	398	416	188	346	242	236	4,546	20	4,565	9	4,574
1971	316	585	1,529	444	426	416	194	357	252	259	4,779	17	4,796	8	4,803
1972	293	546	1,538	455	425	441	227	386	252	270	4,833	23	4,856	8	4,865
1973	318	552	1,545	527	444	463	227	398	291	291	5,058	20	5,078	8	5,085
1974	297	556	1,627	497	445	450	240	403	264	290	5,069	20	5,090	9	5,099
1975	262	535	1,466	446	404	372	183	313	235	267	4,483	21	4,503	8	4,511
1976	284	611	1,735	545	468	429	205	367	268	292	5,202	19	5,221	7	5,228
1977	310	623	1,844	581	526	485	237	391	272	329	5,599	25	5,623	7	5,630
1978	287	613	1,639	500	475	440	215	337	246	306	5,059	31	5,090	6	5,096
1979	291	677	1,888	564	503	466	209	402	247	325	5,572	27	5,599	7	5,606
1980	266	622	1,875	553	459	426	234	388	232	350	5,405	21	5,426	6	5,432
1981	284	669	1,835	565	494	409	214	389	244	311	5,414	15	5,429	4	5,433
1982	240	625	1,605	503	437	342	177	329	266	274	4,798	12	4,810	4	4,814
1983	225	475	1,309	429	392	311	171	319	239	249	4,119	15	4,134	5	4,139
1984	240	594	1,611	507	435	353	208	380	267	289	4,884	12	4,896	5	4,901
1985 3/	227	574	1,483	513	434	334	179	361	246	274	4,625	13	4,638	5	4,641

1/ To convert P_2O_5 to P multiply P_2O_5 by 0.43642. 2/ Calendar year data for 1947-49. Fertilizer year ending June 30 for 1950-85. 3/ Preliminary. Details may not add to totals due to rounding.

Table 30--Fertilizer: potash used as fertilizer, regions, United States and Puerto Rico, 1947-85 1/

Year 2/	Northeast	Lake States	Corn Belt	Northern Plains	Appalachian	Southeast	Delta States	Southern Plains	Mountain	Pacific	48 States	Alaska and Hawaii	50 States	Puerto Rico	United States and Puerto Rico
							1,000 tons								
1947	148	73	171	3	171	209	39	11	2	21	846	12	858	21	879
1948	153	91	215	4	176	202	46	12	2	22	924	10	934	22	956
1949	168	97	237	3	204	236	53	14	2	20	1,034	12	1,045	19	1,064
1950	167	106	249	2	217	228	58	17	2	23	1,068	13	1,081	22	1,103
1951	174	133	340	4	265	286	86	22	2	25	1,337	14	1,352	28	1,380
1952	201	146	431	5	309	310	91	26	2	25	1,545	14	1,560	22	1,581
1953	219	170	519	7	313	326	94	25	2	28	1,702	16	1,718	20	1,738
1954	220	186	555	7	316	335	100	24	2	28	1,774	18	1,792	22	1,814
1955	236	204	557	7	336	339	94	27	3	31	1,834	19	1,853	22	1,875
1956	225	214	538	8	325	358	104	28	3	33	1,836	21	1,856	18	1,875
1957	232	224	558	8	329	379	97	27	4	36	1,895	21	1,916	22	1,937
1958	233	233	563	7	328	378	82	29	5	41	1,900	17	1,916	19	1,935
1959	246	270	624	10	381	436	103	32	5	44	2,151	19	2,169	23	2,191
1960	239	250	606	11	369	441	112	33	5	47	2,112	19	2,131	22	2,153
1961	238	269	568	14	371	465	113	35	6	43	2,123	23	2,146	22	2,168
1962	244	261	615	14	389	475	121	45	5	52	2,220	25	2,245	25	2,271
1963	259	297	736	18	310	487	133	58	6	52	2,456	20	2,476	27	2,503
1964	271	342	862	22	413	512	138	62	7	50	2,679	22	2,701	28	2,730
1965	261	357	947	26	412	511	146	68	7	51	2,787	23	2,810	25	2,835
1966	280	384	1,196	40	444	532	147	81	10	59	3,172	26	3,198	24	3,221
1967	270	486	1,404	60	464	567	162	92	13	80	3,597	23	3,620	22	3,642
1968	260	538	1,428	82	453	602	181	101	17	87	3,748	24	3,772	21	3,793
1969	256	549	1,473	87	462	614	190	120	16	81	3,849	24	3,873	18	3,892
1970	270	565	1,556	103	468	603	191	127	18	94	3,994	24	4,018	17	4,035
1971	291	661	1,592	105	475	612	198	138	20	98	4,189	27	4,216	15	4,231
1972	277	652	1,613	109	483	663	227	143	20	99	4,286	24	4,309	16	4,325
1973	303	682	1,735	171	513	696	227	155	22	105	4,610	24	4,633	15	4,649
1974	309	774	1,997	153	536	712	244	175	28	116	5,043	23	5,066	17	5,083
1975	279	712	1,759	120	484	612	189	120	29	111	4,415	24	4,439	14	4,453
1976	306	828	2,137	136	579	714	222	110	35	107	5,173	26	5,199	12	5,211
1977	330	932	2,384	158	639	789	267	133	38	125	5,796	25	5,821	13	5,834
1978	317	973	2,159	142	608	736	258	127	38	133	5,490	24	5,514	12	5,526
1979	320	1,033	2,674	160	632	794	261	157	44	127	6,202	29	6,231	13	6,244
1980	306	993	2,766	161	625	757	291	143	33	136	6,210	22	6,233	13	6,245
1981	322	1,101	2,705	162	648	736	275	156	34	145	6,284	23	6,307	7	6,314
1982	282	987	2,439	134	603	633	229	130	37	123	5,597	25	5,622	9	5,631
1983	261	822	1,969	110	544	591	227	135	31	111	4,801	21	4,822	10	4,832
1984	282	1,020	2,431	125	606	662	286	158	47	150	5,767	18	5,785	12	5,797
1985 3/	283	1,019	2,259	125	584	611	244	162	53	137	5,477	21	5,498	12	5,510

1/ To convert K_2O to K multiply K_2O by 0.83016. 2/ Calendar year data for 1947-49. Fertilizer year ending June 30 for 1950-85. 3/ Preliminary. Details may not add to totals due to rounding.

Table 31--Farm machinery and equipment: number of specified kinds on farms, and tractor horsepower, United States, 1947-86 1/

Year	Tractors (exclusive of steam and garden)				Motor trucks	Grain combines 3/	Corn-heads 4/	Pickup balers 5/	Field forage harvesters 6/
	Total 2/	Wheel	Crawler	Horsepower					
	---Thousands---			Millions	---Thousands---				
1947	2,613	2,500	113	69	1,700	465	236	65	30
1948	2,821	2,700	121	77	1,900	535	299	90	45
1949	3,123	2,990	133	85	2,065	620	372	135	60
1950	3,394 7/	3,250	144	93	2,207 7/	714 7/	456 7/	196 7/	81
1951	3,678	3,531	147	101	2,325	810	522	240	102
1952	3,907	3,756	151	108	2,430	887	588	298	124
1953	4,100	3,946	154	115	2,535	930	630	345	148
1954	4,243	4,086	157	121	2,610	965	660	395	175
1955	4,345 7/	4,185	160	126	2,675 7/	980 7/	688 7/	448 7/	202 7/
1956	4,480	4,310	170	134	2,707	1,005	715	505	220
1957	4,570	4,392	178	139	2,745	1,015	740	560	240
1958	4,620	4,434	186	144	2,775	1,030	755	600	258
1959	4,673	4,481	192	150	2,800	1,045	775	645	270
1960	4,688 7/	4,489	199	153	2,834 7/	1,042 7/	792 7/	680 7/	291 7/
1961	4,743	4,547	196	158	2,850	980	740	685	291
1962	4,763	4,570	193	162	2,885	960	730	703	300
1963	4,778	4,588	190	167	2,925	940	720	718	307
1964	4,786	4,598	188	172	2,970	920	705	734	312
1965	4,787 7/	4,601	186	176	3,030 7/	910 7/	690 7/	751 7/	316 7/
1966	4,783	4,594	189	182	3,017	888	686	752	316
1967	4,786	4,593	193	189	3,009	867	680	748	319
1968	4,766	4,570	196	195	3,016	847	673	739	321
1969	4,712	4,513	199	199	3,004	820	657	725	314
1970	4,619 7/	4,416	203	203	2,984 7/	790 7/	635 7/	708 7/	304 7/
1971	4,584	4,391	193	206	2,994	760	630	700	300
1972	4,549	4,366	183	209	3,003	725	625	692	298
1973	4,518	4,345	173	212	3,013	701	621	684	292
1974	4,493	4,329	164	219	3,023	698	618	674	295
1975	4,469 7/	4,311	158	222	3,032 7/	524 7/	615 7/	667 7/	255 7/
1976	4,434	4,281	153	228	3,043	527	610	641	263
1977	4,402	4,260	142	232	3,044	535	605	615	270
1978	4,777 7/ 8/	4,626	151	259	3,358 7/	655 7/	695 7/	744 7/	295 7/
1979	4,776 7/	4,626	150	301	3,358 7/	655 7/	706 7/	744 7/	295 7/
1980	4,752	4,604	148	304	3,344	652	701	756	293
1981	4,726	4,580	146	306	3,350	650	696	770	291
1982	4,697 7/	4,552	145	306	3,389 7/	647 7/	690 7/	785 7/	288 7/
1983	4,669 7/	4,524	145	309	3,435 7/	644 7/	684 7/	800 7/	285 7/
1984	4,671	4,527	144	311	3,402	644	684	800	285
1985	4,676	4,533	143	311	3,380	643	684	800	285
1986 9/	4,670	4,528	142	311	3,380	640	683	798	281

1/ Data as of January 1. Base data are derived primarily from Agricultural Census reports. For years not covered and items not reported in the Agricultural Census, the following information sources were used to derive estimates: Current Industrial Reports of the Census Bureau (formerly Facts for Industry), annual registrations of motor vehicles, results of surveys, changes in farm income, and estimated discard rates. 2/ Includes wheel- and crawler-type tractors. 3/ Data for 1975 and after are for self-propelled combines only. 4/ Includes corn pickers and picker shellers. 5/ Does not include balers producing bales weighing more than 200 pounds. 6/ Data for 1976 and after do not include flail-type forage harvesters. 7/ Census of Agriculture year. 8/ U.S. totals for 1978 are not directly comparable with totals for 1974 or earlier census years, because they include State-level data from farm operators represented on the Census mailing list, plus estimates from the direct enumeration sample for farms not represented on the mailing list. As a result, figures for nearly all categories are somewhat higher than they would be using the earlier base. The 1974 U.S. data include only operations represented on the mailing list. Estimates are pegged to census year data for all noncensus years before 1978. 9/ Preliminary.

Table 32—Labor: total hours of farmwork, United States and regions, 1947-85 1/

Year	Northeast	Lake States	Corn Belt	Northern Plains	Appalachian	Southeast	Delta States	Southern Plains	Mountain	Pacific	United States
					Million hours						
1947	1,793	2,201	3,546	1,686	3,206	2,454	2,036	2,226	1,105	1,547	21,800
1948	1,680	2,045	3,486	1,597	3,064	2,367	2,237	2,024	1,052	1,450	21,000
1949	1,685	2,079	3,474	1,500	3,154	2,275	2,091	2,110	1,060	1,471	20,900
1950	1,629	1,955	3,249	1,462	2,955	2,052	1,781	1,825	998	1,394	19,300
1951	1,465	1,799	3,006	1,372	2,848	2,032	1,713	1,794	926	1,346	18,300
1952	1,387	1,730	2,890	1,304	2,702	1,863	1,642	1,620	880	1,282	17,300
1953	1,312	1,631	2,699	1,230	2,436	1,712	1,576	1,523	815	1,167	16,100
1954	1,288	1,623	2,691	1,248	2,403	1,573	1,355	1,436	845	1,138	15,600
1955	1,305	1,665	2,741	1,253	2,374	1,652	1,394	1,483	850	1,183	15,900
1956	1,270	1,629	2,642	1,170	2,282	1,522	1,276	1,377	825	1,206	15,200
1957	1,174	1,535	2,481	1,145	1,968	1,297	1,080	1,261	797	1,163	13,900
1958	1,095	1,411	2,293	1,051	1,839	1,180	960	1,211	748	1,112	12,900
1959	1,059	1,403	2,303	997	1,883	1,247	1,029	1,209	727	1,143	13,000
1960	1,025	1,343	2,184	984	1,813	1,214	971	1,150	706	1,112	12,500
1961	970	1,279	2,010	905	1,737	1,146	933	1,087	669	1,063	11,800
1962	934	1,242	1,939	918	1,734	1,155	848	1,007	665	1,058	11,500
1963	863	1,164	1,824	868	1,658	1,107	842	933	634	1,006	10,900
1964	826	1,127	1,732	835	1,552	1,028	797	887	617	998	10,400
1965	830	1,116	1,703	852	1,403	1,017	728	874	581	997	10,100
1966	752	1,013	1,574	802	1,265	921	627	745	534	967	9,200
1967	711	967	1,542	798	1,192	925	592	743	521	909	8,900
1968	671	926	1,458	783	1,115	862	585	743	521	936	8,600
1969	624	859	1,353	732	1,062	856	561	736	517	900	8,200
1970	597	804	1,277	729	983	816	530	717	488	859	7,800
1971	563	781	1,230	725	908	789	511	679	469	844	7,500
1972	543	779	1,224	736	910	804	534	719	478	873	7,600
1973	529	748	1,184	746	895	801	491	716	472	919	7,500
1974	529	743	1,166	765	914	798	481	697	461	947	7,500
1975	510	710	1,126	733	939	784	441	668	458	932	7,300
1976	474	661	1,056	700	886	753	428	617	436	889	6,900
1977	467	664	1,046	697	861	749	432	637	433	913	6,900
1978	473	667	1,043	697	884	754	421	611	447	903	6,900
1979	457	642	1,030	692	826	735	414	627	437	942	6,800
1980	436	611	984	668	831	753	396	571	421	930	6,600
1981	418	582	968	678	853	734	408	599	431	929	6,600
1982	412	574	953	656	819	674	387	556	417	952	6,400
1983	435	576	993	668	847	726	407	577	449	1,022	6,700
1984	667	935	1,139	664	640	351	314	635	441	579	6,365
1985	636	875	1,007	562	597	334	263	556	432	606	5,868

1/ Includes overhead labor hours.

Table 33--Labor: indexes of total hours of farmwork, United States and regions, 1947-85
(1977=100)

Year	Northeast	Lake States	Corn Belt	Northern Plains	Appalachian	Southeast	Delta States	Southern Plains	Mountain	Pacific	United States
1947	383	331	339	242	372	328	472	350	255	169	316
1948	359	308	333	229	356	316	518	318	243	159	304
1949	360	313	332	215	366	304	484	331	245	161	303
1950	349	294	310	210	343	274	413	287	230	153	280
1951	313	271	287	197	331	271	397	282	214	148	265
1952	297	260	276	187	314	249	380	254	203	140	251
1953	281	245	258	177	283	229	365	239	188	128	233
1954	276	244	257	179	279	210	314	225	195	125	226
1955	279	251	262	180	276	221	323	233	196	130	230
1956	272	245	253	168	265	203	296	216	190	132	220
1957	251	231	237	164	229	173	250	198	184	127	201
1958	234	212	219	151	214	158	222	190	173	122	187
1959	226	211	220	143	219	167	238	190	168	125	188
1960	219	202	209	141	211	162	225	181	163	122	181
1961	208	193	192	130	202	153	216	171	154	116	171
1962	200	187	185	132	201	154	196	158	153	116	167
1963	185	175	174	125	193	148	195	147	146	110	158
1964	177	170	166	120	180	137	185	139	142	109	151
1965	178	168	163	122	163	136	169	137	134	109	146
1966	161	153	150	115	147	123	145	117	123	106	133
1967	152	146	147	115	138	123	137	117	120	100	129
1968	143	139	139	112	129	115	135	117	120	103	125
1969	134	129	129	105	123	114	130	116	119	99	119
1970	128	121	122	105	114	109	123	113	113	94	113
1971	120	118	118	104	105	105	118	107	108	92	109
1972	116	117	117	106	106	107	124	113	110	96	110
1973	113	113	113	107	104	107	114	112	109	101	109
1974	113	112	111	110	106	107	111	109	106	104	109
1975	109	107	108	105	109	105	102	105	106	102	106
1976	101	100	101	100	103	101	99	97	101	97	100
1977	100	100	100	100	100	100	100	100	100	100	100
1978	101	100	100	100	103	101	98	96	103	99	100
1979	98	97	98	99	96	98	96	99	101	103	99
1980	93	92	94	96	96	101	92	90	97	102	96
1981	89	88	92	97	99	98	95	94	100	102	96
1982	88	86	91	94	95	90	90	87	96	104	93
1983	93	87	95	96	98	97	94	91	104	112	97
1984	143	141	109	95	74	47	73	100	102	63	92
1985	136	132	96	81	69	45	61	87	100	66	85

Table 34—Labor: indexes of farm production per hour, United States and regions, 1947-85
(1977=100)

Year	Northeast	Lake States	Corn Belt	Northern Plains	Appalachian	Southeast	Delta States	Southern Plains	Mountain	Pacific	United States
1947	22	17	14	23	22	18	11	17	24	31	18
1948	25	19	19	26	24	20	13	17	26	33	21
1949	25	19	18	23	22	19	12	21	25	34	20
1950	27	20	19	27	23	22	13	19	27	36	22
1951	30	23	21	27	26	25	14	20	30	40	24
1952	32	25	23	32	27	26	16	23	34	43	26
1953	35	26	24	31	29	31	18	25	39	49	28
1954	36	27	25	31	30	30	20	27	35	51	29
1955	35	27	26	29	32	34	22	26	36	49	30
1956	37	29	27	31	34	36	22	26	37	50	31
1957	38	30	28	36	34	38	22	30	40	52	33
1958	44	34	32	47	39	43	25	36	46	55	39
1959	44	35	34	43	39	44	29	36	46	57	39
1960	47	37	36	51	41	46	29	41	48	57	42
1961	50	40	39	50	44	51	33	44	51	60	44
1962	49	40	40	55	46	52	37	45	52	63	46
1963	54	45	46	57	49	56	41	49	57	67	51
1964	57	45	47	60	52	59	46	52	57	70	52
1965	58	45	50	61	55	64	50	59	64	70	56
1966	59	50	54	67	58	63	53	62	68	73	59
1967	68	54	59	70	66	74	57	62	74	75	64
1968	68	57	62	74	68	73	66	69	77	79	68
1969	75	60	65	83	75	78	65	65	79	82	72
1970	80	65	66	78	81	83	72	69	84	86	74
1971	86	73	80	93	90	96	79	67	91	91	85
1972	80	71	79	92	91	92	78	74	89	90	83
1973	84	75	80	93	93	94	81	84	90	88	86
1974	88	72	72	78	92	99	79	72	92	92	81
1975	92	79	88	87	94	103	87	84	98	98	90
1976	102	79	96	88	104	111	94	93	107	106	97
1977	100	100	100	100	100	100	100	100	100	100	100
1978	109	102	105	104	106	110	104	92	109	99	104
1979	112	109	117	117	111	122	116	105	105	106	113
1980	116	115	112	102	106	106	95	95	117	115	109
1981	133	128	124	124	124	130	118	119	128	121	123
1982	134	133	123	129	127	139	127	112	126	116	125
1983	118	112	84	105	93	112	94	95	110	101	99
1984	83	80	95	125	159	258	154	92	113	197	121
1985	93	90	124	161	167	267	177	117	115	187	140

Table 35--Labor: hours required for livestock and crop production, by enterprise groups, United States, 1947-85 1/

Year	Livestock and livestock products 2/				Crops 3/									
	All	Meat animals	Milk cows	Poultry	All	Feed grains	Hay and forage	Food grains	Vegetables	Fruits and nuts	Sugar crops	Cotton	Tobacco	Oil crops
						Million hours								
1947	6,292	1,381	2,970	1,159	8,324	1,777	846	491	700	690	163	1,783	841	281
1948	5,976	1,349	2,803	1,115	8,333	1,875	766	456	670	650	136	2,073	731	261
1949	5,947	1,386	2,781	1,139	7,825	1,621	705	415	662	636	123	1,912	747	205
1950	5,548	1,451	2,749	1,161	6,922	1,484	695	327	643	619	135	1,298	745	199
1951	5,460	1,520	2,651	1,101	7,204	1,348	679	345	578	623	103	1,760	837	184
1952	5,326	1,510	2,581	1,045	6,850	1,250	647	365	555	586	95	1,655	820	167
1953	5,206	1,462	2,591	962	6,627	1,188	632	353	566	562	95	1,609	746	162
1954	5,130	1,479	2,551	911	6,238	1,174	680	293	533	537	100	1,269	772	171
1955	4,948	1,498	2,422	840	6,012	1,154	671	253	521	536	88	1,235	710	175
1956	4,728	1,434	2,301	807	5,574	1,012	616	245	509	558	80	1,074	663	183
1957	4,472	1,368	2,158	761	5,001	966	617	203	474	546	81	818	524	173
1958	4,225	1,357	1,983	701	4,818	891	569	217	470	562	78	769	515	181
1959	4,076	1,395	1,841	657	4,771	840	517	190	435	567	78	911	539	161
1960	3,826	1,307	1,745	593	4,590	784	524	188	438	531	71	831	549	164
1961	3,709	1,293	1,664	574	4,370	639	497	186	440	524	78	772	567	177
1962	3,527	1,252	1,570	530	4,190	587	510	168	435	481	79	679	606	175
1963	3,362	1,236	1,462	491	4,088	580	498	173	418	462	86	647	591	181
1964	3,181	1,191	1,360	459	3,867	503	496	177	403	448	95	573	546	189
1965	2,969	1,107	1,250	444	3,416	502	410	176	407	454	85	482	468	203
1966	2,828	1,092	1,133	438	3,142	496	372	173	404	429	82	308	440	210
1967	2,706	1,078	1,039	426	3,104	517	356	203	406	446	75	240	409	223
1968	2,571	1,050	961	399	3,013	481	343	196	408	432	77	267	350	229
1969	2,423	1,008	876	380	2,973	469	339	172	371	480	78	265	341	229
1970	2,344	997	817	373	2,788	425	339	152	359	452	74	244	308	205
1971	2,239	962	767	354	2,757	438	338	166	349	471	70	232	263	200
1972	2,108	905	720	328	2,621	376	311	166	346	435	75	239	241	202
1973	1,964	850	661	300	2,667	386	310	178	351	477	69	188	245	234
1974	1,850	812	612	274	2,657	369	298	212	357	470	66	183	261	211
1975	1,701	731	568	251	2,630	377	287	222	355	472	77	105	286	219
1976	1,613	693	530	240	2,556	376	285	226	339	448	73	111	271	197
1977	1,522	653	491	229	2,530	372	271	207	342	469	65	105	245	224
1978	1,422	606	446	222	2,449	359	263	185	337	452	64	80	239	240
1979	1,348	574	408	220	2,432	345	254	195	336	472	60	80	200	261
1980	1,286	548	381	211	2,442	338	243	215	315	495	60	81	218	247
1981	1,212	509	355	203	2,442	341	236	233	317	484	62	79	227	233
1982	1,143	477	328	194	2,369	335	230	221	330	460	57	59	208	239
1983	1,082	456	301	181	2,135	259	222	184	308	449	57	40	174	212
1984	1,008	432	257	175	2,266	325	219	191	342	457	57	55	172	218
1985 4/	955	407	234	171	2,169	332	213	175	339	429	58	51	146	196

1/ Does not include overhead labor hours. After 1964, labor used for horses and mules and farm gardens were excluded. 2/ For livestock included in each group, see table 1, footnotes 2 to 6. 3/ For crops included in each group, see table 1, footnotes 7 to 14. 4/ Preliminary.

Table 36--Labor: indexes of hours required for livestock and crop production, by enterprise groups, United States, 1947-85 1/
(1977=100)

Year	Livestock and livestock products				Crops									
	All	Meat animals	Milk cows	Poultry	All	Feed grains	Hay and forage	Food grains	Vegetables	Fruits and nuts	Sugar crops	Cotton	Tobacco	Oil crops
1947	377	212	605	524	317	478	312	237	205	147	265	1,699	343	125
1948	361	207	571	504	317	504	283	220	196	139	222	1,975	298	116
1949	363	212	566	514	298	436	260	201	194	136	199	1,822	304	91
1950	367	222	560	525	263	399	257	158	188	132	220	1,237	304	89
1951	361	233	540	497	274	363	251	167	169	133	168	1,678	341	82
1952	352	231	526	472	261	336	239	176	163	125	155	1,577	334	75
1953	344	224	528	435	252	320	233	170	166	120	155	1,533	304	72
1954	339	227	519	411	237	316	251	141	156	115	163	1,209	314	76
1955	327	230	493	379	229	310	248	122	153	114	144	1,177	289	78
1956	312	220	469	364	212	272	227	118	149	119	130	1,023	270	82
1957	295	210	439	344	190	260	228	98	139	116	131	780	214	77
1958	279	208	404	317	183	240	210	105	138	120	127	732	210	81
1959	269	214	375	297	182	226	191	92	127	121	126	868	220	72
1960	253	200	355	268	175	211	194	91	128	113	116	792	224	73
1961	245	198	339	259	166	172	184	90	129	112	126	736	231	79
1962	233	192	320	239	159	158	188	81	127	103	128	647	247	78
1963	222	189	298	222	156	156	184	83	122	98	140	616	241	81
1964	210	183	277	207	147	135	183	86	118	95	154	546	223	84
1965	196	170	254	201	135	135	151	85	119	97	138	459	191	90
1966	187	167	231	198	124	133	137	83	118	91	133	293	179	94
1967	179	165	212	192	123	139	131	98	119	95	122	229	167	100
1968	170	161	196	180	119	129	127	95	119	92	126	254	143	102
1969	160	154	178	171	118	126	125	83	109	102	127	252	139	102
1970	155	153	166	168	110	114	125	74	105	96	120	232	126	92
1971	148	147	156	160	109	118	125	80	102	100	114	221	107	89
1972	139	139	147	148	104	101	115	80	101	93	123	228	98	90
1973	130	130	135	135	106	104	114	86	103	102	112	179	100	104
1974	122	124	125	124	105	99	110	102	104	98	108	175	106	94
1975	112	112	116	114	104	101	106	107	104	101	118	101	117	98
1976	106	106	108	104	101	101	105	109	99	95	112	106	111	88
1977	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1978	93	93	91	97	97	97	97	89	99	96	98	76	97	107
1979	89	88	83	96	96	93	93	94	98	101	91	77	81	117
1980	84	84	78	92	96	91	90	104	92	106	93	77	89	110
1981	80	78	72	88	97	92	87	112	93	103	96	75	92	104
1982	75	73	67	84	94	90	85	107	97	98	88	57	85	107
1983	71	70	61	79	84	70	82	89	90	96	88	39	71	95
1984	66	66	52	76	90	87	81	92	100	98	88	53	70	97
1985	63	62	48	74	86	89	79	85	99	91	89	49	59	88

1/ See footnotes, table 35. Computed from unrounded data.

Table 37--Labor: hours required for livestock and crop production, by enterprise groups, Northeast region, 1947-85 1/

Year	Livestock and livestock products				Crops									
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops 11/	Cotton	Tobacco	Oil crops 12/
	Million hours													
1947	705	56	428	161	497	76	109	27	129	63	4	0	40	2
1948	665	55	401	155	479	78	99	24	132	58	3	0	40	2
1949	668	55	405	160	443	65	79	21	126	63	3	0	41	2
1950	633	56	398	163	428	58	77	18	122	63	3	0	41	2
1951	616	59	386	156	404	59	77	17	109	59	3	0	40	2
1952	605	62	381	147	377	58	73	17	105	49	3	0	34	2
1953	597	60	383	139	370	53	70	17	106	51	2	0	34	2
1954	582	57	382	128	360	52	69	13	96	53	3	0	37	2
1955	563	58	370	120	339	48	66	12	88	53	3	0	35	2
1956	540	54	353	118	323	45	62	11	89	48	2	0	32	3
1957	507	52	330	110	296	35	60	10	80	49	3	0	29	3
1958	475	50	308	102	294	35	58	9	81	52	2	0	28	3
1959	448	49	289	94	274	30	53	8	74	51	2	0	31	3
1960	424	46	280	82	268	28	53	8	76	46	2	0	30	3
1961	403	43	269	76	263	25	52	7	74	47	2	0	31	3
1962	380	40	256	69	247	22	45	6	73	44	2	0	31	3
1963	356	37	239	65	234	21	49	6	67	39	2	0	28	3
1964	330	33	223	59	229	20	45	6	65	41	3	0	29	2
1965	309	31	206	57	216	21	44	5	66	40	2	0	28	2
1966	284	29	186	54	204	19	46	5	60	36	3	0	25	2
1967	263	28	170	50	202	22	42	6	61	36	2	0	23	2
1968	243	26	155	46	193	20	40	5	58	35	2	0	22	3
1969	228	25	143	45	183	20	40	5	50	36	2	0	20	2
1970	214	24	132	42	179	19	39	4	48	38	2	0	19	2
1971	199	22	123	39	176	20	39	4	45	40	1	0	17	2
1972	184	21	113	35	154	17	36	4	39	31	1	0	15	3
1973	169	19	103	32	157	18	35	4	41	31	1	0	16	3
1974	158	18	96	29	160	19	32	5	42	34	2	0	15	3
1975	146	16	89	26	156	19	32	5	39	34	2	0	14	3
1976	136	15	82	25	150	19	32	4	36	31	2	0	15	3
1977	125	13	74	23	149	19	31	4	35	31	2	0	15	4
1978	115	12	66	23	150	18	31	3	35	35	2	0	14	4
1979	107	11	59	23	147	18	30	3	34	36	2	0	12	4
1980	99	9	52	22	147	18	30	3	31	38	1	0	14	4
1981	89	8	45	22	142	18	28	4	32	32	2	0	15	4
1982	80	6	39	20	147	17	28	3	33	36	2	0	16	4
1983	72	6	32	20	136	14	27	3	29	35	2	0	14	4
1984	62	6	23	18	138	14	27	3	31	36	2	0	13	4
1985 13/	55	5	17	18	135	15	26	3	31	34	2	0	13	3

1/Does not include overhead labor hours. Hours for horses and mules and farm gardens were excluded after 1964. 2/ Includes horses and mules prior to 1950; includes wool and minor livestock which are excluded from separate enterprises shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Chickens, broilers, and turkeys. 5/ Includes hayseeds, pasture seeds, and cover-crop seeds, and minor crops which are excluded from separate crops shown. Farm gardens excluded after 1964. 6/ Corn for grain, oats, and barley. 7/ All hay and corn silage. 8/ All wheat and rye. Buckwheat excluded after 1964. 9/ Potatoes, sweetpotatoes, dry edible beans, and truck crops. 10/ Fruits, berries, and tree nuts. 11/ Maple products. 12/ Soybeans only. 13/ Preliminary.

Table 38--Labor: hours required for livestock and crop production, by enterprise groups, Lake States region, 1947-85 1/

Year	Livestock and livestock products				Crops								
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops 11/	Cotton	Tobacco	Oil crops 12/
	Million hours													
1947	915	131	574	139	561	206	139	29	60	37	9	0	6	18
1948	844	125	527	129	549	222	115	28	60	37	7	0	5	18
1949	835	128	522	129	535	206	111	25	60	38	10	0	5	15
1950	789	134	505	128	486	166	113	20	54	40	11	0	4	13
1951	778	139	494	122	478	170	117	21	50	36	8	0	3	13
1952	769	139	492	115	460	167	106	21	50	35	7	0	3	12
1953	761	131	498	109	448	158	103	20	50	37	7	0	3	13
1954	763	135	496	108	431	150	101	14	49	32	8	0	3	16
1955	741	138	479	101	416	145	98	12	45	35	6	0	3	16
1956	708	127	463	95	406	133	94	13	47	38	6	0	3	19
1957	676	123	441	88	381	119	91	11	43	40	6	0	3	17
1958	640	126	412	79	358	105	85	11	41	40	6	0	3	18
1959	613	129	386	74	350	107	83	10	40	42	6	0	3	13
1960	575	118	370	64	335	99	85	9	39	37	6	0	3	12
1961	536	116	357	59	326	90	80	10	42	38	7	0	3	14
1962	529	112	344	51	311	78	86	8	41	34	6	0	3	13
1963	503	109	328	43	298	81	80	9	39	25	6	0	2	14
1964	475	103	313	37	294	69	79	9	37	35	6	0	2	16
1965	438	92	290	34	268	68	71	8	38	32	5	0	2	18
1966	401	87	260	32	257	69	65	7	38	26	6	0	2	18
1967	374	83	238	31	257	69	64	10	37	25	5	0	2	19
1968	348	80	219	27	254	71	61	8	37	26	6	0	2	17
1969	319	73	199	25	246	65	59	7	35	30	6	0	2	16
1970	303	71	185	25	226	56	54	5	34	28	6	0	2	15
1971	290	68	174	25	231	60	54	7	34	30	5	0	2	13
1972	270	60	163	25	215	52	47	7	33	29	5	0	2	14
1973	250	56	149	24	212	52	47	8	32	22	5	0	2	18
1974	232	52	137	21	214	49	45	10	33	28	6	0	2	16
1975	209	42	126	20	211	51	45	11	31	24	6	0	2	15
1976	196	40	116	19	203	49	48	13	30	17	6	0	2	12
1977	182	38	106	17	207	53	43	11	31	20	7	0	2	15
1978	167	35	95	16	206	52	41	9	29	24	7	0	2	16
1979	155	34	85	15	202	49	40	9	29	21	6	0	3	20
1980	141	30	75	14	203	50	39	11	27	24	6	0	3	18
1981	123	22	66	14	199	52	37	11	27	20	6	0	3	17
1982	110	19	56	14	206	50	37	10	28	28	5	0	2	19
1983	98	18	46	13	178	39	36	9	24	20	5	0	2	17
1984	85	18	34	12	197	47	37	10	27	24	5	0	2	19
1985 13/	75	18	25	12	196	46	36	10	27	27	5	0	2	17

1/Does not include overhead labor hours. Hours for horses and mules and farm gardens were excluded after 1964. 2/ Includes horses and mules prior to 1950; includes wool and minor livestock which are excluded from separate enterprises shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Chickens, broilers, and turkeys. 5/ Includes hayseeds, pasture seeds, and cover-crop seeds, and minor crops which are excluded from separate crops shown. Farm gardens excluded after 1964. 6/ Corn for grain, oats, and barley. 7/ All hay, and corn silage. 8/ All wheat and rye. Buckwheat excluded after 1964. 9/ Potatoes, sweetpotatoes, dry edible beans, and truck crops. 10/ Fruits, berries, and tree nuts. 11/ Sugar beets and maple products. 12/ Soybeans and flaxseed. 13/ Preliminary.

Table 39--Labor: hours required for livestock and crop production, by enterprise groups, Corn Belt region, 1947-85 1/

Year	Livestock and livestock products				Crops									
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops 11/	Cotton	Tobacco	Oil crops 12/
	Million hours													
1947	1,443	407	639	282	934	442	123	57	39	31	3	—	12	64
1948	1,373	397	607	271	1,002	525	101	58	39	26	2	—	13	56
1949	1,377	421	601	270	912	443	98	51	35	30	3	--	14	49
1950	1,336	443	590	277	782	365	98	35	33	25	3	—	13	54
1951	1,301	459	559	258	783	357	102	35	34	24	2	--	13	50
1952	1,245	442	535	242	784	369	94	35	32	20	2	—	14	52
1953	1,207	426	531	224	758	348	95	38	30	18	2	—	12	48
1954	1,186	430	514	216	746	332	107	31	28	16	2	—	12	60
1955	1,145	443	479	197	716	331	94	29	27	15	2	—	9	62
1956	1,086	424	452	185	678	307	85	28	27	17	2	—	9	63
1957	1,030	412	420	173	635	276	88	27	26	16	2	--	9	65
1958	968	404	380	159	614	265	83	26	25	17	2	—	8	67
1959	938	419	348	146	603	273	71	25	25	15	2	—	9	61
1960	863	384	327	127	581	256	72	24	26	13	1	—	9	65
1961	833	380	311	118	518	199	68	24	26	13	1	—	10	75
1962	779	362	289	103	499	188	69	21	26	11	1	—	10	76
1963	735	356	266	90	489	187	68	24	24	8	1	—	11	76
1964	686	339	243	80	466	166	68	24	22	11	1	—	9	81
1965	618	302	218	75	434	172	63	21	24	10	1	—	8	87
1966	579	294	192	70	419	171	61	19	21	8	1	—	7	87
1967	553	292	172	66	430	180	57	23	23	9	1	—	6	88
1968	512	274	155	60	413	163	54	18	22	9	1	—	6	95
1969	472	252	142	56	397	157	53	16	19	9	1	--	6	92
1970	452	245	130	56	368	142	52	11	18	9	1	—	5	86
1971	426	229	121	54	374	149	50	11	19	9	1	--	5	85
1972	393	206	113	52	351	129	45	12	17	8	1	--	5	88
1973	359	188	102	47	355	126	46	10	16	7	1	—	5	103
1974	328	170	94	43	357	130	47	15	16	7	1	--	6	92
1975	295	147	86	41	357	131	46	17	16	9	1	—	6	90
1976	276	137	80	38	346	133	45	18	15	6	1	—	6	81
1977	257	126	75	36	343	126	44	17	13	6	1	—	6	90
1978	233	110	67	35	339	124	42	10	13	6	1	—	6	97
1979	217	102	61	34	343	123	39	14	12	7	1	—	5	103
1980	205	96	56	32	338	122	39	16	10	7	1	—	6	98
1981	193	89	52	32	330	118	38	21	9	6	1	--	7	91
1982	182	83	47	31	328	118	35	17	10	6	1	--	8	95
1983	175	82	43	30	290	90	35	15	10	6	1	—	6	89
1984	163	78	36	29	316	112	34	16	11	6	1	—	7	91
1985 13/	153	72	33	28	307	116	33	11	11	6	1	--	5	86

-- = Farmers plant a statistically insignificant amount of this crop in the region.

1/ Does not include overhead labor hours. Hours for horses and mules and farm gardens were excluded after 1964. 2/ Includes horses and mules prior to 1950; includes wool and minor livestock which are excluded from separate enterprises shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Chickens, broilers, and turkeys. 5/ Includes cotton, hayseeds, pasture seeds, and cover-crop seeds, and minor crops which are excluded from separate crops shown. Farm gardens excluded after 1964. 6/ Corn for grain, oats, barley, and sorghum grain. 7/ All hay, corn silage, and sorghum forage and silage. 8/ All wheat, rye, and rice. Buckwheat excluded after 1964. 9/ Potatoes, sweetpotatoes, and truck crops. 10/ Fruits, berries, and tree nuts. 11/ Sugar beets, sorghum syrup, and maple products. 12/ Soybeans and flaxseed. 13/ Preliminary.

Table 40--Labor: hours required for livestock and crop production, by enterprise groups, Northern Plains region, 1947-85 1/

Year	Livestock and livestock products				Crops									
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts	Sugar crops 10/	Cotton	Tobacco	Oil crops 11/
	Million hours													
1947	588	184	239	111	542	194	105	158	15	—	8	0	—	13
1948	546	180	221	102	541	224	95	141	14	—	5	0	—	13
1949	534	188	210	100	454	168	81	130	15	—	5	0	—	12
1950	515	197	208	102	438	171	82	112	13	—	6	0	—	13
1951	519	215	199	97	431	158	91	116	8	—	6	0	—	13
1952	504	216	190	91	409	141	82	127	9	—	5	0	—	12
1953	493	212	191	82	402	141	93	111	9	—	5	0	—	15
1954	495	220	188	80	399	150	99	91	9	—	6	0	—	18
1955	480	219	180	74	369	127	106	83	8	—	5	0	—	16
1956	448	197	173	70	333	105	96	76	9	—	5	0	—	17
1957	416	180	161	66	352	140	101	59	9	—	5	0	—	14
1958	397	181	147	60	328	124	84	72	7	—	5	0	—	13
1959	385	186	136	55	281	110	72	56	6	—	5	0	—	9
1960	355	171	127	49	295	117	77	57	6	—	5	0	—	10
1961	351	177	121	44	256	91	67	55	6	—	6	0	—	9
1962	336	176	113	39	268	91	81	52	6	—	6	0	—	10
1963	324	179	104	33	258	93	71	51	6	—	6	0	—	10
1964	316	181	97	30	239	73	70	53	5	—	6	0	—	10
1965	289	165	89	28	237	73	70	55	6	—	5	0	—	12
1966	281	167	81	26	228	74	62	54	5	—	5	0	—	12
1967	272	168	73	25	236	74	63	62	5	—	5	0	—	12
1968	266	164	75	21	231	73	58	60	6	—	6	0	—	12
1969	241	156	61	18	229	76	57	55	6	—	7	0	—	12
1970	236	157	56	17	232	70	70	53	6	—	6	0	—	12
1971	229	154	52	17	243	74	71	62	6	—	6	0	—	9
1972	217	148	49	15	230	68	67	60	6	—	5	0	—	9
1973	204	139	45	14	246	74	68	63	7	—	5	0	—	13
1974	196	136	42	13	253	66	70	75	8	—	6	0	—	12
1975	176	119	39	12	249	67	64	78	7	—	7	0	—	11
1976	168	115	37	11	245	65	62	79	8	—	7	0	—	8
1977	158	109	34	10	241	73	57	71	8	—	6	0	—	10
1978	149	103	31	10	232	72	54	66	8	—	6	0	—	11
1979	143	100	28	9	230	69	52	68	7	—	5	0	—	14
1980	136	95	27	9	232	65	52	71	9	—	5	0	—	14
1981	129	89	26	9	235	67	49	71	13	—	5	0	—	15
1982	122	84	25	8	227	65	46	69	10	—	4	0	—	17
1983	117	80	24	8	196	52	44	57	8	—	4	0	—	16
1984	108	74	21	8	220	69	44	61	8	—	4	0	—	19
1985 12/	103	70	20	8	212	71	40	57	9	—	4	0	—	17

— = Farmers plant a statistically insignificant amount of this crop in the region.

1/ Does not include overhead labor hours. Hours for horses and mules and farm gardens were excluded after 1964. 2/ Includes horses and mules prior to 1950; includes wool and minor livestock which are excluded from separate enterprises shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Chickens, broilers, and turkeys. 5/ Includes fruits, berries, tree nuts, tobacco, hayseeds, pasture seeds, and cover-crop seeds, and minor crops which are excluded from separate crops shown. Farm gardens excluded after 1964. 6/ Corn for grain, oats, barley, and sorghum grain. 7/ All hay, corn silage, and sorghum forage and silage. 8/ All wheat and rye. 9/ Potatoes, sweetpotatoes, dry edible beans, dry field peas, and truck crops. 10/ Sugar beets. 11/ Soybeans and flaxseed. 12/ Preliminary.

Table 41—Labor: hours required for livestock and crop production, by enterprise groups, Appalachian region, 1947-85 1/

Year	Livestock and livestock products				Crops									
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops	Cotton	Tobacco	Oil crops 11/
	Million hours													
1947	676	114	298	136	1,473	294	84	30	55	41	—	178	652	37
1948	669	116	295	135	1,419	301	76	26	51	40	—	222	572	38
1949	678	119	301	142	1,401	269	79	23	52	36	—	201	576	30
1950	590	123	304	144	1,291	251	72	19	52	37	—	115	578	30
1951	580	126	299	136	1,369	226	64	17	42	34	—	166	650	30
1952	572	124	295	134	1,313	193	59	18	38	33	—	171	639	25
1953	557	115	299	124	1,222	180	52	20	41	25	—	161	575	22
1954	546	116	294	116	1,203	167	54	16	38	29	—	116	597	21
1955	521	120	277	106	1,112	163	55	14	37	21	—	113	535	19
1956	505	122	263	101	1,040	139	47	14	32	32	—	103	507	23
1957	484	122	248	95	856	108	44	11	31	27	—	79	403	20
1958	452	120	227	86	837	106	47	9	30	32	—	72	397	20
1959	438	128	213	79	845	102	40	9	27	29	—	99	406	20
1960	412	120	203	71	812	91	40	8	26	27	—	82	412	20
1961	397	116	193	69	796	68	40	8	23	26	—	80	428	20
1962	378	113	183	65	789	60	37	5	25	22	—	69	458	18
1963	361	111	171	62	775	54	37	6	23	19	—	73	454	19
1964	340	106	158	58	715	48	36	6	22	17	—	63	419	19
1965	322	101	147	56	574	47	34	6	22	18	—	50	357	21
1966	310	101	137	55	521	43	32	6	21	14	—	30	333	22
1967	300	102	127	54	487	45	31	7	22	16	—	18	303	25
1968	290	102	119	52	442	39	31	7	21	17	—	20	263	24
1969	277	101	109	50	428	36	31	6	19	17	—	19	258	22
1970	268	99	102	50	386	30	29	5	18	17	—	17	230	20
1971	257	97	96	47	355	32	29	5	17	17	—	17	196	22
1972	243	91	91	44	330	24	27	5	17	15	—	17	182	23
1973	229	89	83	40	330	22	26	4	17	15	—	14	186	26
1974	219	87	78	37	336	20	24	5	17	15	—	13	197	25
1975	207	82	75	33	356	20	24	5	17	16	—	6	222	26
1976	198	77	72	32	342	23	23	5	17	13	—	6	212	24
1977	190	73	70	31	321	22	23	5	16	13	—	4	191	27
1978	183	70	66	30	318	21	21	4	16	18	—	2	187	30
1979	176	66	63	31	288	20	20	4	16	17	—	2	157	32
1980	173	65	61	30	302	20	20	6	14	17	—	2	172	32
1981	168	64	59	28	310	21	19	9	14	16	—	2	179	30
1982	164	62	58	27	291	19	19	9	15	13	—	2	164	30
1983	161	63	56	26	250	14	19	8	12	15	—	1	137	25
1984	155	62	51	26	263	18	18	7	18	16	—	2	138	25
1985 12/	152	60	50	26	234	19	18	6	19	12	—	2	116	22

— = Farmers plant a statistically insignificant amount of this crop in the region.

1/ Does not include overhead labor hours. Hours for horses and mules and farm gardens were excluded after 1964. 2/ Includes horses and mules prior to 1950; includes wool and minor livestock which are excluded from separate enterprises shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Chickens, broilers, and turkeys. 5/ Includes sorghum syrup, hayseeds, pasture seeds, and minor crops which are excluded from separate crops shown. Farm gardens excluded after 1964. 6/ Corn for grain, oats, barley, and sorghum grain. 7/ All hay, corn silage, and sorghum forage and silage. 8/ All wheat and rye. Buckwheat excluded after 1964. 9/ Potatoes, sweetpotatoes, and truck crops. 10/ Fruits, berries, and tree nuts. 11/ Soybeans and peanuts. 12/ Preliminary.

Table 42--Labor: hours required for livestock and crop production, by enterprise groups, Southeast region, 1947-85 1/

Year	Livestock and livestock products				Crops									
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops 11/	Cotton	Tobacco	Oil crops 12/
	Million hours													
1947	359	79	134	70	1,287	238	43	7	92	85	24	426	132	105
1948	349	77	130	69	1,264	219	50	5	83	82	19	483	101	98
1949	349	77	130	74	1,150	204	51	3	90	73	16	412	112	69
1950	303	85	132	77	1,010	194	49	2	99	80	13	280	109	64
1951	305	89	131	75	1,099	171	44	3	85	91	10	401	131	54
1952	307	93	131	74	1,008	149	47	3	82	84	8	359	129	40
1953	301	91	133	68	967	146	39	4	87	97	8	318	123	40
1954	295	91	132	63	866	126	47	3	83	87	7	258	122	33
1955	287	93	123	61	870	127	35	3	83	84	6	273	128	35
1956	278	93	114	61	768	107	28	3	74	91	6	223	112	33
1957	269	90	108	62	627	94	24	4	70	81	5	150	81	31
1958	261	90	100	62	578	82	23	3	66	89	5	119	80	30
1959	256	92	92	62	608	68	20	3	56	89	6	173	91	26
1960	241	85	85	61	592	59	17	2	58	89	5	168	95	25
1961	233	82	79	63	566	51	16	3	59	94	6	144	95	25
1962	226	80	72	65	564	42	14	2	56	100	11	141	104	24
1963	220	78	67	66	551	42	16	2	60	91	11	139	96	25
1964	213	76	61	66	498	37	16	3	57	75	16	114	87	26
1965	206	73	57	67	450	35	13	2	56	92	15	87	73	26
1966	204	71	53	71	406	32	12	2	56	84	16	53	73	26
1967	195	68	50	68	422	36	12	4	55	112	11	36	75	30
1968	195	71	47	68	380	29	11	4	51	95	11	41	57	30
1969	192	71	44	68	386	27	10	4	48	112	10	38	56	30
1970	186	68	43	66	363	24	10	3	45	110	10	35	52	23
1971	178	67	41	61	360	25	10	4	44	117	11	33	42	23
1972	166	62	39	56	346	20	9	4	45	111	15	32	37	22
1973	155	58	36	52	351	21	9	4	43	125	14	24	37	23
1974	144	55	33	47	346	21	9	3	43	120	14	23	41	21
1975	133	52	31	41	342	20	9	3	43	125	14	10	43	24
1976	125	49	29	38	340	22	9	3	46	128	14	11	36	21
1977	118	45	27	37	331	18	9	3	42	131	14	8	31	24
1978	109	41	25	34	323	15	9	3	43	127	14	4	29	28
1979	106	39	22	35	312	14	9	4	42	120	15	4	23	31
1980	100	38	21	32	334	13	8	5	42	142	15	4	24	31
1981	93	35	19	30	322	13	8	9	41	129	15	4	23	29
1982	86	32	18	27	291	9	8	10	42	104	17	3	19	29
1983	79	30	16	24	276	7	7	7	43	103	16	2	16	24
1984	74	28	13	23	274	8	8	7	46	98	18	2	13	24
1985 13/	70	26	12	23	258	8	8	7	47	87	18	3	11	19

1/ Does not include overhead labor hours. Hours for horses and mules and farm gardens were excluded after 1964. 2/ Includes horses and mules prior to 1950; includes wool and minor livestock which are excluded from separate enterprises shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Chickens, broilers, and turkeys. 5/ Includes hayseeds, pasture seeds and cover-crop seeds, and minor crops which are excluded from separate crops shown. Farm gardens excluded after 1964. 6/ Corn for grain, oats, barley, and sorghum grain. 7/ All hay, corn silage and sorghum forage and silage. 8/ All wheat and rye. 9/ Potatoes, sweetpotatoes, and truck crops. 10/ Fruits, berries, and tree nuts. 11/ Sugarcane for sugar and seed, sugarcane syrup, and sorghum syrup. 12/ Soybeans and peanuts. 13/ Preliminary.

Table 43--Labor: hours required for livestock and crop production, by enterprise groups, Delta States region, 1947-85 1/

Year	Livestock and livestock products				Crops									
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops 11/	Cotton	Tobacco	Oil crops
	Million hours													
1947	360	65	159	57	1,005	141	30	22	38	36	53	581	--	--
1948	351	62	158	58	1,173	137	29	21	34	37	50	771	--	--
1949	354	62	161	63	1,024	113	27	18	34	35	45	625	--	--
1950	298	65	162	66	831	117	26	15	35	35	45	439	--	--
1951	292	66	158	62	881	87	23	18	27	36	38	534	--	--
1952	286	69	155	58	866	72	22	18	26	33	36	539	--	--
1953	284	70	156	53	880	63	22	19	26	35	34	558	--	--
1954	275	70	153	47	720	60	22	22	25	32	33	412	--	--
1955	265	74	145	41	705	63	22	15	27	32	33	404	--	--
1956	257	75	136	41	615	53	17	13	21	40	27	337	--	--
1957	243	75	124	38	500	47	19	14	19	33	26	244	--	--
1958	225	74	110	36	455	39	17	13	18	36	26	208	--	--
1959	215	75	98	36	495	33	14	14	16	34	27	263	--	--
1960	205	72	92	36	459	26	14	14	12	33	23	246	--	--
1961	205	71	89	40	444	22	13	14	13	34	24	236	--	--
1962	198	69	83	41	380	18	12	15	13	14	22	201	--	--
1963	191	68	75	43	394	16	12	15	11	27	27	197	--	--
1964	185	66	69	45	364	13	14	16	10	16	26	182	--	--
1965	180	64	63	48	290	10	11	16	11	13	24	149	--	--
1966	178	64	58	51	236	9	10	18	10	15	23	92	--	--
1967	175	63	54	53	219	8	10	20	10	14	24	68	--	--
1968	167	61	50	50	223	7	10	22	10	11	19	79	--	--
1969	160	59	47	49	217	6	9	18	9	14	16	76	--	--
1970	157	59	44	49	200	6	9	11	9	10	18	71	--	--
1971	151	58	42	46	197	6	8	10	8	13	16	70	--	--
1972	144	56	40	43	196	3	8	10	7	9	17	79	--	--
1973	132	53	37	37	178	3	9	10	6	15	16	54	--	--
1974	127	53	34	35	169	2	8	12	6	6	16	57	--	--
1975	117	48	33	31	151	3	8	13	5	12	14	29	--	--
1976	115	46	32	32	150	3	8	12	5	7	14	35	--	--
1977	111	44	30	32	148	3	8	11	4	13	14	25	--	--
1978	106	41	29	32	135	2	8	13	4	9	12	17	--	--
1979	102	38	27	32	133	2	8	12	4	9	11	13	--	--
1980	98	37	25	31	130	2	7	15	3	8	11	14	--	--
1981	94	35	25	30	137	3	7	20	3	11	12	14	--	--
1982	90	32	24	29	126	2	7	20	3	7	12	11	--	--
1983	86	30	24	27	112	3	6	14	2	10	12	7	--	--
1984	82	29	22	26	113	5	6	15	2	7	10	11	--	--
1985 12/	80	28	21	26	109	8	6	11	3	8	11	10	--	--

-- = Farmers plant a statistically insignificant amount of this crop in the region.

1/ Does not include overhead labor hours. Hours for horses and mules and farm gardens were excluded after 1964. 2/ Includes horses and mules prior to 1950; includes wool and minor livestock which are excluded from separate enterprises shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Chickens, broilers, and turkeys. 5/ Includes tobacco, oil crops, hayseeds, pasture seeds, and cover-crop seeds, and minor crops which are excluded from separate crops shown. Farm gardens excluded after 1964. 6/ Corn for grain, oats, barley, and sorghum grain. 7/ All hay, corn silage, and sorghum forage and silage. 8/ All wheat and rice. 9/ Potatoes, sweetpotatoes, and truck crops. 10/ Fruits, berries, and tree nuts. 11/ Sugarcane for sugar and seed, sugarcane syrup, and sorghum syrup. 12/ Preliminary.

Table 44--Labor: hours required for livestock and crop production, by enterprise groups, Southern Plains region, 1947-85 1/

Year	Livestock and livestock products				Crops									
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops	Cotton	Tobacco	Oil crops 11/
	Million hours													
1947	553	150	225	98	939	118	55	76	70	38	--	452	0	30
1948	520	145	208	94	859	102	54	69	65	34	—	411	0	24
1949	515	151	203	95	875	88	45	68	68	32	--	462	0	16
1950	489	161	204	98	691	99	42	44	60	31	--	316	0	13
1951	468	164	189	90	772	69	43	46	43	25	--	454	0	12
1952	445	163	174	84	687	55	42	52	43	25	—	393	0	8
1953	418	154	167	73	692	54	46	51	48	26	—	393	0	8
1954	403	154	158	66	631	72	42	47	44	24	--	338	0	8
1955	385	156	146	59	625	82	51	34	43	28	—	325	0	9
1956	371	154	154	57	550	63	42	36	38	25	--	288	0	7
1957	341	139	125	54	507	79	39	27	32	34	--	239	0	7
1958	321	140	111	47	517	76	32	31	32	30	—	261	0	7
1959	315	148	100	44	496	65	32	27	26	31	--	263	0	6
1960	299	147	92	38	463	59	32	29	28	34	—	231	0	6
1961	292	145	86	39	441	48	30	28	25	27	--	232	0	6
1962	280	144	81	35	384	45	30	24	23	18	—	196	0	6
1963	268	142	73	32	359	44	29	24	23	20	—	173	0	6
1964	252	137	65	30	339	38	34	25	23	18	--	156	0	6
1965	239	132	59	29	307	38	25	26	22	24	—	145	0	6
1966	234	132	53	29	244	38	22	26	20	15	—	95	0	6
1967	228	131	49	29	252	41	22	29	20	25	--	86	0	7
1968	219	128	45	27	252	40	26	30	18	20	—	89	0	7
1969	216	131	42	25	254	40	26	26	18	20	--	96	0	7
1970	219	135	41	25	247	41	24	26	17	22	—	90	0	5
1971	209	129	39	23	238	40	27	26	15	24	--	81	0	5
1972	205	129	37	21	237	35	24	30	14	29	—	79	0	5
1973	197	125	35	20	240	43	25	35	14	27	—	69	0	6
1974	191	123	33	18	223	39	22	41	12	24	--	58	0	5
1975	177	113	30	17	215	43	20	46	11	27	—	41	0	5
1976	168	107	27	17	200	40	21	44	12	18	--	38	0	5
1977	163	104	26	17	206	35	20	42	11	25	--	45	0	7
1978	153	96	24	17	185	33	20	36	11	18	—	39	0	7
1979	147	90	22	18	199	30	20	36	10	32	--	42	0	7
1980	142	87	21	17	176	28	17	39	9	14	—	42	0	5
1981	135	82	20	17	192	28	18	40	9	31	—	40	0	5
1982	128	77	19	16	174	32	17	39	9	19	--	29	0	6
1983	119	70	18	15	155	21	17	33	9	28	—	20	0	4
1984	111	65	16	14	153	26	15	32	10	17	--	26	0	4
1985 12/	104	60	15	14	152	26	18	32	8	17	—	24	0	3

— = Farmers plant a statistically insignificant amount of this crop in the region.

1/ Does not include overhead labor hours. Hours for horses and mules and farm gardens were excluded after 1964. 2/ Includes horses and mules prior to 1950; includes wool and minor livestock which are excluded from separate enterprises shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Chickens, broilers, and turkeys. 5/ Includes sugar beets, sorghum syrup, hayseeds, pasture seeds, and cover-crop seeds, and minor crops which are excluded from separate crops shown. Farm gardens excluded after 1964. 6/ Corn for grain, oats, barley, and sorghum grain. 7/ All hay, corn silage, and sorghum forage and silage. 8/ All wheat, rye, and rice. 9/ Potatoes, sweetpotatoes, and truck crops. 10/ Fruits, berries, and tree nuts. 11/ Soybeans, peanuts, and flaxseed. 12/ Preliminary.

Table 45--Labor: hours required for livestock and crop production, by enterprise groups, Mountain region, 1947-85 1/

Year	Livestock and livestock products				Crops									
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops 11/	Cotton	Tobacco	Oil crops
	Million hours													
1947	357	134	105	37	385	44	97	59	64	17	38	39	0	—
1948	342	134	99	35	375	44	91	59	64	16	27	49	0	—
1949	326	130	94	35	373	44	86	53	57	17	24	67	0	—
1950	299	134	93	35	342	42	84	44	53	14	29	52	0	—
1951	305	145	89	33	332	34	74	52	47	15	22	65	0	—
1952	302	147	87	30	115	28	78	53	43	16	19	57	0	—
1953	299	146	88	27	299	29	71	52	45	13	21	47	0	—
1954	299	146	88	26	319	41	87	38	42	14	23	53	0	—
1955	281	137	83	24	307	42	92	36	40	14	19	45	0	—
1956	266	129	79	22	295	32	89	36	40	14	19	46	0	—
1957	249	119	75	20	297	41	95	28	40	14	19	41	0	—
1958	239	115	71	18	288	34	87	30	45	14	18	42	0	—
1959	227	108	68	16	268	30	80	27	43	15	17	39	0	—
1960	219	104	65	15	256	28	80	26	41	13	17	35	0	—
1961	211	102	61	15	247	25	78	26	43	13	19	28	0	—
1962	203	98	58	13	243	25	84	24	40	13	18	23	0	—
1963	198	98	55	12	235	24	82	25	39	13	19	19	0	—
1964	188	94	52	11	230	22	80	24	36	14	20	18	0	—
1965	181	93	49	10	190	22	49	25	38	13	17	15	0	—
1966	178	93	46	10	172	23	38	24	38	13	15	10	0	—
1967	174	92	43	10	171	22	35	28	35	14	16	10	0	—
1968	169	91	41	10	174	22	33	27	35	15	19	11	0	—
1969	164	90	38	9	181	26	35	24	35	18	21	11	0	—
1970	162	90	37	9	164	23	34	21	34	15	17	9	0	—
1971	159	89	36	9	157	20	31	24	32	15	15	9	0	—
1972	154	86	35	8	148	17	29	23	30	14	15	9	0	—
1973	147	81	34	8	148	17	26	25	29	18	13	8	0	—
1974	140	76	32	8	140	13	23	29	29	15	11	9	0	—
1975	134	71	32	8	141	13	22	28	28	19	15	5	0	—
1976	129	68	30	8	137	13	22	30	29	16	12	5	0	—
1977	123	64	29	8	134	14	21	29	27	17	9	7	0	—
1978	121	62	29	8	133	14	21	27	28	16	10	6	0	—
1979	115	59	28	7	130	12	20	28	26	17	9	7	0	—
1980	113	57	28	6	127	12	19	30	24	16	9	6	0	—
1981	111	54	29	7	130	13	18	30	25	18	9	6	0	—
1982	107	51	29	6	123	13	17	27	25	17	8	5	0	—
1983	103	48	28	6	115	12	16	24	23	19	7	3	0	—
1984	98	44	27	6	117	14	16	25	24	16	7	4	0	—
1985 12/	95	42	27	6	118	14	14	25	25	18	7	4	0	—

— = Farmers plant a statistically insignificant amount of this crop in the region.

1/ Does not include overhead labor hours. Hours for horses and mules and farm gardens were excluded after 1964. 2/ Includes horses and mules prior to 1950; includes wool and minor livestock which are excluded from separate enterprises shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Chickens, broilers, and turkeys. 5/ Includes oil crops, hayseeds, pasture seeds, and cover-crop seeds, and minor crops which are excluded from separate crops shown. Farm gardens excluded after 1964. 6/ Corn for grain, oats, barley, and sorghum grain. 7/ All hay, corn silage, and sorghum forage and silage. 8/ All wheat and rye. 9/ Potatoes, sweetpotatoes, dry edible beans, dry field peas, and truck crops. 10/ Fruits, berries, and tree nuts. 11/ Sugar beets. 12/ Preliminary.

Table 46--Labor: hours required for livestock and crop production, by enterprise groups, Pacific region, 1947-85 1/

Year	Livestock and livestock products				Crops									
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops 11/	Cotton	Tobacco	Oil crops
	Million hours													
1947	335	62	169	68	702	23	62	26	136	340	18	56	0	--
1948	317	58	158	67	671	23	54	25	127	317	19	64	0	--
1949	311	56	154	70	658	21	48	23	124	309	15	79	0	--
1950	296	53	152	71	623	21	52	18	124	291	21	59	0	--
1951	296	57	146	72	655	17	45	20	133	300	14	93	0	--
1952	291	58	144	70	630	17	44	21	127	289	14	88	0	--
1953	289	58	145	64	588	17	42	22	123	257	15	82	0	--
1954	281	59	146	60	563	25	51	19	119	248	18	56	0	--
1955	280	61	140	57	554	27	53	15	124	253	13	44	0	--
1956	269	59	133	57	565	25	55	15	131	253	13	47	0	--
1957	257	57	126	55	552	28	56	13	124	250	13	44	0	--
1958	247	58	117	52	549	25	54	12	125	252	12	45	0	--
1959	241	61	110	50	553	23	54	12	122	261	12	46	0	--
1960	233	60	104	50	529	21	54	11	126	238	12	45	0	--
1961	228	61	98	51	513	20	53	11	129	231	13	34	0	--
1962	218	58	91	49	505	18	52	11	132	224	13	33	0	--
1963	206	58	84	45	495	13	54	11	126	219	14	30	0	--
1964	196	56	79	43	493	17	54	11	126	219	16	28	0	--
1965	187	56	73	41	450	17	29	12	124	211	14	26	0	--
1966	179	55	67	40	455	18	24	12	133	217	12	21	0	--
1967	172	54	62	40	428	18	19	14	137	195	10	18	0	--
1968	163	52	56	38	450	17	18	14	149	204	12	20	0	--
1969	153	50	51	35	453	16	19	13	133	223	13	19	0	--
1970	148	50	48	34	423	14	18	12	129	203	14	16	0	--
1971	141	48	44	33	427	13	19	12	129	206	14	17	0	--
1972	133	47	41	29	416	11	19	13	137	188	14	17	0	--
1973	122	44	37	25	452	11	18	15	145	217	12	17	0	--
1974	116	43	33	24	460	9	17	16	152	221	9	19	0	--
1975	107	41	29	22	452	10	17	17	158	205	17	12	0	--
1976	100	39	25	20	443	10	16	17	143	211	16	13	0	--
1977	92	37	21	19	449	9	16	15	155	213	12	13	0	--
1978	86	36	17	17	426	9	15	15	150	198	12	10	0	--
1979	80	35	13	17	450	8	15	17	158	214	10	11	0	--
1980	79	34	13	17	452	8	15	18	145	229	10	10	0	--
1981	77	33	14	16	443	9	14	18	144	220	11	10	0	--
1982	74	31	14	14	457	9	14	16	156	228	8	9	0	--
1983	72	29	14	13	428	8	13	14	150	212	8	6	0	--
1984	70	28	14	13	474	9	13	14	166	237	9	9	0	--
1985 12/	68	27	15	11	448	10	13	14	160	218	9	8	0	--

-- = Farmers plant a statistically insignificant amount of this crop in the region.

1/ Does not include overhead labor hours. Hours for horses and mules and farm gardens were excluded after 1964. 2/ Includes horses and mules prior to 1950; includes wool and minor livestock which are excluded from separate enterprises shown. 3/ Cattle and calves, sheep and lambs, and hogs. 4/ Chickens, broilers, and turkeys. 5/ Includes flaxseed, hayseeds, pasture seeds, and cover-crop seeds, and minor crops which are excluded from separate crops shown. Farm gardens excluded after 1964. 6/ Corn for grain, oats, barley, and sorghum grain. 7/ All hay, corn silage, and sorghum forage and silage. 8/ All wheat, rye, and rice. 9/ Potatoes, sweetpotatoes, dry edible beans, dry field peas, and truck crops. 10/ Fruits, berries, and tree nuts. 11/ Sugar beets; and from 1975 to date includes sugarcane in Hawaii. 12/ Preliminary.

Table 47--Labor: indexes of hours required for livestock and crop production, by regions, 1947-85 1/
(1977=100)

Year	Northeast	Lake States	Corn Belt	Northern Plains	Appalachian	Southeast	Delta States	Southern Plains	Mountain	Pacific	United States
1947	437	379	384	278	402	373	505	387	286	198	356
1948	416	358	383	268	390	366	564	358	276	189	349
1949	403	352	369	243	389	340	509	361	270	185	335
1950	395	334	350	240	368	310	439	316	257	177	313
1951	376	326	343	239	376	326	448	329	252	182	315
1952	359	316	332	229	360	301	433	300	242	175	300
1953	351	309	321	223	336	286	430	292	232	165	289
1954	339	302	315	223	326	259	363	270	236	158	276
1955	324	293	303	211	304	257	353	264	225	155	265
1956	310	281	287	194	287	232	317	240	214	155	249
1957	288	266	271	190	249	199	270	221	208	150	229
1958	276	252	257	180	239	186	247	218	201	148	218
1959	259	243	250	165	237	190	256	211	189	147	213
1960	248	230	235	161	226	183	239	199	181	141	203
1961	239	222	220	151	220	176	233	191	175	138	195
1962	225	212	208	150	215	174	208	173	170	134	186
1963	212	202	199	144	209	170	210	164	165	130	179
1964	201	194	187	138	194	156	197	154	159	128	170
1965	192	181	175	132	176	147	182	148	144	119	158
1966	179	169	166	127	163	137	161	129	136	118	148
1967	170	162	164	128	154	138	153	130	134	112	144
1968	160	154	154	124	143	129	151	127	133	114	138
1969	151	145	145	118	138	129	146	127	134	113	134
1970	144	136	137	117	128	123	138	126	126	107	127
1971	138	134	133	118	120	120	135	121	123	106	124
1972	124	124	124	112	112	114	132	120	117	102	117
1973	119	118	119	113	109	113	120	118	115	107	115
1974	116	114	114	112	109	110	115	112	109	106	111
1975	111	108	109	106	110	106	104	106	107	104	107
1976	104	102	104	103	106	103	102	100	104	100	103
1977	100	100	100	100	100	100	100	100	100	100	100
1978	97	96	95	96	98	96	93	92	98	94	96
1979	93	91	93	94	91	93	91	93	95	98	93
1980	90	88	90	92	93	97	88	86	93	98	92
1981	85	83	87	91	94	92	89	89	94	96	90
1982	83	81	85	87	89	84	83	82	90	98	87
1983	76	71	77	78	80	79	77	74	85	92	79
1984	73	72	80	82	82	77	75	71	83	100	81
1985 2/	69	70	77	79	75	73	73	69	83	95	77

1/ Does not include overhead labor hours. Horses and mules and farm gardens were excluded after 1964.
2/ Preliminary.

Note: Computed from unrounded data.

Table 48--Labor: indexes of farm production per required hour, by enterprise groups, United States, 1947-85 1/
(1977=100)

Year	Livestock and livestock products				Crops								
	All	Meat animals	Milk cows	Poultry	All	Feed grains	Hay and forage	Food grains	Vegetables	Fruits and nuts	Sugar crops	Cotton	Tobacco	Oil crops
1947	17	30	15	8	18	8	22	27	38	49	20	5	32	18
1948	18	30	15	9	20	11	24	28	42	48	20	5	35	23
1949	18	31	15	9	20	11	26	26	41	51	22	6	34	29
1950	19	32	16	10	22	13	28	31	44	54	25	6	35	29
1951	20	32	16	11	22	13	29	29	46	54	26	6	36	32
1952	21	32	17	11	24	15	31	36	47	56	29	7	36	35
1953	22	33	17	12	25	15	32	34	49	59	32	8	36	36
1954	23	34	18	14	26	16	30	36	51	62	34	8	38	37
1955	24	35	19	15	28	17	32	39	54	60	35	9	40	38
1956	25	35	20	17	30	20	33	42	59	60	38	9	42	41
1957	26	36	22	18	33	22	36	48	61	56	44	10	41	43
1958	28	37	23	21	38	27	40	66	63	58	44	11	43	48
1959	31	39	25	23	37	29	41	60	68	60	49	12	43	50
1960	32	40	27	25	41	33	43	73	69	61	52	13	46	52
1961	35	42	29	28	42	36	45	67	72	64	53	14	47	54
1962	37	44	31	31	45	39	46	69	72	70	54	16	49	56
1963	40	48	33	34	47	44	47	71	75	72	64	18	51	57
1964	43	50	36	38	49	44	48	76	74	75	59	20	52	55
1965	45	51	39	40	56	52	60	79	79	76	58	23	51	59
1966	49	54	42	43	59	53	65	81	81	79	60	23	55	59
1967	53	58	45	46	63	57	70	78	82	77	66	23	62	56
1968	55	60	48	48	66	58	72	84	86	78	74	30	63	63
1969	59	62	53	52	68	62	74	89	91	83	76	28	68	64
1970	64	67	57	55	70	62	74	93	91	84	79	31	79	72
1971	68	70	62	59	79	78	78	101	94	87	85	34	83	76
1972	73	75	66	66	84	87	83	96	96	84	89	43	93	82
1973	76	78	70	70	87	88	89	100	96	91	85	51	91	84
1974	82	84	75	76	80	75	87	89	97	96	82	47	98	76
1975	85	87	81	81	89	90	94	101	93	97	97	57	97	88
1976	93	94	91	94	91	95	90	98	100	101	100	70	101	84
1977	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1978	109	108	109	109	105	111	109	104	104	103	103	100	109	98
1979	117	117	122	119	118	125	116	115	109	104	103	132	99	110
1980	129	127	135	125	105	107	109	116	113	112	104	103	104	90
1981	136	136	150	135	121	132	122	129	119	108	111	145	117	110
1982	143	138	164	142	124	136	128	129	120	115	109	149	122	113
1983	154	149	187	152	105	96	122	131	119	115	106	141	106	96
1984	162	153	212	162	123	133	132	140	117	116	108	172	129	109
1985	175	163	244	173	136	149	135	142	123	119	109	194	137	133

See table 1 for footnotes.

Table 49--Labor: indexes of farm production per required hour, by enterprise groups, Northeast region, 1947-85 1/ (1977=100)

Year	Livestock and livestock products				Crops									
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops 11/	Cotton	Tobacco	Oil crops 12/
1947	15	25	14	9	31	10	27	29	45	45	116	0	78	21
1948	15	25	15	9	34	13	30	30	49	44	117	0	79	26
1949	16	26	15	10	35	14	34	36	47	53	117	0	80	31
1950	17	27	16	11	38	17	37	39	50	55	120	0	79	37
1951	18	27	16	12	39	18	38	41	49	56	122	0	79	35
1952	19	28	17	12	40	18	40	43	51	53	116	0	77	41
1953	20	28	17	13	42	19	40	46	54	58	97	0	81	42
1954	20	28	18	15	43	21	42	51	54	63	129	0	81	43
1955	21	29	19	15	44	21	43	52	59	60	128	0	74	49
1956	22	28	20	17	48	25	45	53	66	56	129	0	80	58
1957	23	29	21	18	48	26	46	54	67	58	128	0	82	45
1958	25	29	23	20	55	35	52	63	70	66	128	0	83	63
1959	27	30	24	21	56	38	55	63	70	66	127	0	79	65
1960	28	31	26	23	59	43	57	70	74	66	128	0	83	69
1961	30	33	28	25	62	46	60	74	76	73	128	0	84	69
1962	32	36	29	27	59	45	56	72	77	75	128	0	89	61
1963	34	38	32	30	63	47	60	82	78	76	128	0	89	56
1964	37	41	34	33	65	53	60	88	80	84	128	0	88	44
1965	40	42	37	35	70	58	63	92	84	86	99	0	93	76
1966	43	44	40	38	68	46	65	95	85	80	105	0	86	45
1967	46	45	43	40	79	69	75	100	90	83	116	0	86	86
1968	48	48	46	42	75	61	73	87	91	83	104	0	88	73
1969	53	51	51	46	81	72	77	93	96	88	123	0	89	99
1970	56	54	55	49	86	81	82	89	97	93	109	0	90	81
1971	61	58	60	54	87	76	85	96	100	98	100	0	86	98
1972	65	62	63	59	83	73	79	89	95	87	100	0	80	87
1973	69	66	66	64	92	82	93	83	95	92	100	0	96	100
1974	76	77	73	71	96	88	100	109	98	99	100	0	102	99
1975	81	86	79	77	96	94	103	100	90	102	100	0	88	100
1976	92	93	90	92	100	101	103	100	97	96	94	0	96	95
1977	100	100	100	100	100	100	100	100	100	100	100	0	100	100
1978	112	117	113	109	107	114	110	92	102	105	100	0	101	122
1979	126	135	129	119	111	122	112	103	108	107	100	0	92	119
1980	139	162	149	120	107	108	114	116	111	110	100	0	97	88
1981	159	203	179	125	120	136	123	132	120	104	100	0	104	122
1982	177	238	213	133	118	141	124	126	119	111	83	0	104	119
1983	200	283	267	136	110	111	119	133	120	113	83	0	94	118
1984	233	286	361	146	126	167	134	143	121	112	83	0	101	133
1985 13/	266	283	504	153	133	175	140	178	127	112	83	0	102	157

See table 37 for footnotes.

Table 50--Labor: indexes of farm prodution per required hour, by enterprise groups, Lakes States region, 1947-85 1/ (1977=100)

Year	Livestock and livestock products				Crops								
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops 11/	Cotton	Tobacco	Oil crops 12/
1947	17	25	14	12	17	9	20	13	32	51	12	0	60	20
1948	18	25	14	12	20	11	24	14	36	52	14	0	64	24
1949	19	26	15	13	20	11	26	15	38	56	15	0	69	25
1950	20	27	15	13	21	12	27	17	38	60	16	0	72	27
1951	20	28	16	14	23	13	30	17	40	54	18	0	73	26
1952	21	28	16	15	25	15	31	18	41	56	18	0	72	29
1953	21	29	17	16	25	15	32	21	43	61	21	0	70	30
1954	22	29	17	18	27	17	33	21	43	54	24	0	73	31
1955	23	30	18	19	28	18	34	24	46	49	30	0	71	30
1956	24	29	19	20	31	21	37	27	51	53	28	0	79	32
1957	25	30	21	21	32	23	38	28	50	54	32	0	78	33
1958	28	31	23	24	35	26	38	42	59	54	35	0	78	33
1959	29	32	24	26	37	28	42	39	64	57	39	0	69	38
1960	31	33	26	29	39	29	42	44	66	59	37	0	69	39
1961	33	35	27	33	42	33	45	44	67	65	42	0	77	44
1962	35	37	29	35	41	33	46	42	69	69	37	0	76	38
1963	37	39	31	40	46	37	47	48	73	70	46	0	80	45
1964	40	42	34	45	44	36	46	49	74	83	46	0	84	38
1965	42	43	36	48	47	39	53	45	77	80	46	0	84	38
1966	44	45	38	52	53	44	59	47	80	75	51	0	84	46
1967	47	47	41	55	54	45	59	53	79	72	51	0	90	40
1968	51	50	45	57	58	49	64	53	82	77	62	0	89	46
1969	54	52	48	60	58	50	66	50	88	81	62	0	87	51
1970	58	57	53	64	63	59	70	59	86	81	64	0	99	57
1971	63	61	57	67	69	67	74	72	88	83	69	0	100	52
1972	66	65	62	72	72	73	81	72	90	83	70	0	89	65
1973	71	70	65	77	79	76	84	87	92	75	79	0	95	71
1974	76	75	71	81	72	63	87	80	97	93	65	0	99	57
1975	81	84	76	86	77	73	90	80	87	103	76	0	96	69
1976	91	94	88	94	69	63	72	85	92	90	73	0	93	59
1977	100	100	100	100	100	100	100	100	100	100	100	0	100	100
1978	110	111	111	107	100	99	105	86	105	108	107	0	88	101
1979	122	121	128	121	107	103	114	91	113	106	96	0	97	99
1980	143	152	148	128	104	105	108	83	116	111	100	0	99	96
1981	166	204	174	135	114	118	115	110	119	109	118	0	96	96
1982	183	218	208	147	116	121	123	100	134	118	129	0	99	102
1983	211	245	259	161	101	90	118	92	129	112	129	0	96	97
1984	238	246	347	173	116	117	122	120	128	118	127	0	100	98
1985 13/	285	243	513	191	119	131	121	133	136	122	140	0	96	101

See table 38 for footnotes.

Table 51--Labor: indexes of farm production per required hour, by enterprise groups, Corn Belt region, 1947-85 1/ (1977=100)

Year	Livestock and livestock products				Crops									
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops 11/	Cotton	Tobacco	Oil crops 12/
1947	17	24	16	16	13	10	25	15	49	73	15	--	42	21
1948	17	24	16	16	19	14	30	18	59	68	19	--	48	31
1949	18	24	17	17	19	15	32	21	55	83	18	--	46	35
1950	19	25	17	17	21	16	36	24	60	78	20	--	43	38
1951	20	25	17	18	20	16	36	20	59	79	19	--	45	39
1952	20	25	18	19	23	19	37	29	56	76	21	--	49	38
1953	21	26	19	21	23	18	37	35	60	75	24	--	47	37
1954	22	27	20	22	24	19	35	36	61	79	29	--	53	37
1955	24	28	21	23	26	21	40	39	64	55	32	--	52	36
1956	25	28	23	26	29	23	42	42	68	65	29	--	54	43
1957	26	29	24	27	29	25	45	32	69	68	33	--	52	44
1958	27	29	26	31	34	28	49	43	73	72	37	--	48	51
1959	30	30	27	33	36	31	53	37	77	72	41	--	57	50
1960	31	31	29	36	38	34	54	46	80	79	47	--	55	49
1961	33	33	32	40	42	39	57	49	76	84	47	--	57	53
1962	35	35	34	43	45	43	58	47	76	87	53	--	65	52
1963	38	37	37	47	50	48	60	59	77	88	49	--	67	53
1964	42	40	41	52	48	49	62	55	86	97	50	--	62	48
1965	44	41	44	56	56	56	66	50	93	91	73	--	68	53
1966	47	43	47	59	58	56	68	63	99	85	71	--	82	54
1967	51	47	50	62	62	61	71	60	99	89	74	--	83	54
1968	54	49	53	63	63	61	75	59	104	94	80	--	81	62
1969	57	51	57	65	66	65	77	60	109	102	74	--	96	6
1970	61	55	61	68	64	62	75	71	102	103	82	--	103	69
1971	64	59	65	72	81	83	81	88	105	108	96	--	89	74
1972	69	63	70	78	85	91	89	92	105	104	72	--	102	79
1973	72	68	73	82	85	91	91	69	101	99	66	--	84	78
1974	78	74	83	85	71	72	88	80	87	107	81	--	99	66
1975	81	78	84	88	90	93	94	93	91	118	100	--	97	87
1976	92	91	92	97	91	99	93	86	98	106	92	--	98	82
1977	100	100	100	100	100	100	100	100	100	100	100	--	100	100
1978	109	112	108	109	106	114	112	85	106	109	92	--	100	94
1979	121	127	117	116	117	128	116	106	117	113	95	--	82	102
1980	130	136	131	126	105	107	106	111	122	119	107	--	92	96
1981	139	146	145	133	121	134	117	107	120	115	100	--	91	106
1982	138	144	162	141	123	138	125	92	127	114	43	--	99	108
1983	149	152	181	149	87	79	104	101	124	114	95	--	79	88
1984	150	150	206	151	113	128	124	98	124	116	96	--	99	93
1985 13/	165	167	239	165	139	149	131	114	130	117	113	--	108	126

-- = Farmers plant a statistically insignificant amount of this crop in the region.

See table 39 for footnotes.

Table 52--Labor: Indexes of farm production per required hour, by enterprise groups, Northern Plains region, 1947-85 1/ (1977=100)

Year	Livestock and livestock products				Crops								
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts	Sugar crops 10/	Cotton	Tobacco	Oil crops 11/
1947	19	31	16	26	23	12	30	35	40	--	19	0	--	21
1948	19	31	16	25	24	14	35	34	46	--	20	0	--	26
1949	20	31	16	26	23	14	41	26	40	--	26	0	--	22
1950	20	31	16	27	28	18	45	36	48	--	25	0	--	27
1951	22	32	17	29	26	16	44	32	50	--	26	0	--	25
1952	22	32	17	28	31	18	45	40	52	--	31	0	--	23
1953	23	32	17	32	27	18	44	31	54	--	30	0	--	25
1954	24	34	18	32	28	19	44	35	56	--	32	0	--	25
1955	26	36	19	34	28	17	40	41	50	--	35	0	--	27
1956	26	37	20	37	30	18	42	43	56	--	40	0	--	30
1957	26	36	21	39	37	27	51	56	50	--	43	0	--	24
1958	28	38	22	43	51	34	55	82	75	--	43	0	--	41
1959	32	42	24	46	46	34	56	68	82	--	48	0	--	35
1960	33	43	26	49	58	40	64	94	83	--	54	0	--	45
1961	36	45	29	54	53	39	65	80	87	--	47	0	--	41
1962	38	48	31	57	60	48	72	86	85	--	43	0	--	53
1963	43	51	33	61	58	47	74	76	97	--	64	0	--	49
1964	48	55	36	67	60	44	73	85	84	--	57	0	--	45
1965	48	55	39	69	67	56	81	88	100	--	54	0	--	58
1966	53	58	43	71	71	60	86	88	109	--	66	0	--	56
1967	57	62	48	75	70	60	87	87	101	--	56	0	--	51
1968	59	64	48	75	77	62	90	100	108	--	66	0	--	59
1969	64	66	58	77	85	73	96	110	104	--	73	0	--	64
1970	69	71	63	79	74	65	74	105	104	--	67	0	--	50
1971	74	75	69	83	89	81	85	121	109	--	80	0	--	60
1972	80	80	72	89	94	95	96	108	101	--	81	0	--	75
1973	83	83	79	91	93	90	90	117	98	--	89	0	--	66
1974	90	90	83	90	71	66	77	87	96	--	72	0	--	56
1975	87	89	84	93	83	80	87	94	95	--	82	0	--	65
1976	94	94	94	98	77	82	72	91	89	--	90	0	--	52
1977	100	100	100	100	100	100	100	100	100	--	100	0	--	100
1978	106	105	104	101	110	108	118	107	107	--	109	0	--	104
1979	119	118	112	110	123	119	122	114	109	--	104	0	--	140
1980	128	129	121	115	96	88	97	103	100	--	101	0	--	93
1981	137	137	134	121	122	122	122	111	107	--	129	0	--	126
1982	136	138	138	126	130	119	135	135	98	--	116	0	--	121
1983	149	151	151	129	116	97	129	140	114	--	115	0	--	97
1984	159	160	157	128	131	118	139	146	127	--	125	0	--	92
1985 12/	171	175	173	138	148	137	130	162	126	--	125	0	--	119

-- = Farmers plant a statistically insignificant amount of this crop in the region.

See table 40 for footnotes.

Table 53--Labor: indexes of farm production per required hour, by enterprise groups, Appalachian region, 1947-85 1/
(1977=100)

Year	Livestock and livestock products				Crops									
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops	Cotton	Tobacco	Oil crops 11/
1947	21	41	23	8	23	6	24	14	54	55	—	8	32	18
1948	21	41	23	8	25	7	25	14	58	60	—	9	34	22
1949	21	41	24	8	24	7	26	15	46	58	—	8	33	23
1950	22	41	24	8	25	8	28	16	48	64	—	7	34	23
1951	22	42	24	9	26	8	30	20	49	68	—	9	35	28
1952	23	43	24	10	25	7	30	22	49	73	—	10	35	34
1953	24	44	25	11	26	9	34	22	52	66	—	10	35	34
1954	25	46	26	12	27	9	32	24	50	81	—	11	37	33
1955	27	45	27	13	30	11	39	23	55	51	—	12	40	37
1956	29	46	29	15	33	14	42	30	61	65	—	12	42	44
1957	30	46	31	17	32	13	43	25	65	62	—	12	41	44
1958	32	47	32	20	37	17	48	34	69	68	—	13	44	49
1959	35	47	34	23	37	18	50	40	74	67	—	14	43	49
1960	36	49	35	25	40	21	51	43	80	71	—	14	46	53
1961	39	51	38	28	41	23	54	48	85	72	—	15	47	56
1962	41	54	39	30	42	26	54	40	84	79	—	17	49	67
1963	43	56	41	32	45	29	53	45	83	84	—	19	52	63
1964	46	59	43	36	48	33	56	53	84	92	—	23	54	68
1965	49	59	48	38	51	39	54	53	87	99	—	24	51	70
1966	53	62	51	41	53	34	63	54	88	78	—	21	57	70
1967	56	65	54	43	61	47	72	61	92	92	—	14	63	69
1968	59	68	57	46	62	43	72	60	98	98	—	31	64	63
1969	64	72	62	49	68	49	75	67	108	102	—	39	70	76
1970	69	75	66	53	75	47	76	89	105	102	—	45	82	88
1971	72	80	70	56	84	62	81	99	109	104	—	55	85	89
1972	77	81	76	62	92	83	87	84	110	99	—	54	97	89
1973	79	84	78	67	95	97	95	85	106	99	—	62	95	97
1974	85	90	83	73	94	106	99	107	97	102	—	48	98	91
1975	87	91	87	77	95	102	103	100	93	108	—	61	98	96
1976	95	97	94	90	101	126	103	101	97	95	—	65	104	95
1977	100	100	100	100	100	100	100	100	100	100	—	100	100	100
1978	105	106	102	105	111	120	118	92	104	116	—	169	110	106
1979	116	122	107	115	117	136	123	111	117	116	—	138	98	114
1980	123	127	112	125	102	101	117	123	115	117	—	149	106	79
1981	126	122	120	138	128	146	133	160	125	118	—	233	117	120
1982	128	119	125	145	138	169	142	166	131	112	—	340	126	123
1983	135	129	130	157	101	93	119	124	136	118	—	197	103	82
1984	139	130	131	164	147	174	154	156	99	120	—	336	131	131
1985 12/	146	132	142	173	154	174	169	121	110	110	—	451	138	138

— = Farmers plant a statistically insignificant amount of this crop in the region.

See table 41 for footnotes.

Table 54--Labor: indexes of farm production per required hour, by enterprise groups, Southeast region, 1947-85 1/ (1977=100)

Year	Livestock and livestock products				Crops									
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops 11/	Cotton	Tobacco	Oil crops 12/
1947	11	30	15	4	22	13	10	27	35	62	19	9	24	9
1948	11	29	15	4	24	14	10	28	40	63	20	10	26	11
1949	12	29	16	5	24	15	11	31	43	62	22	8	27	13
1950	13	29	16	5	26	17	11	38	41	67	25	9	26	13
1951	13	30	16	6	28	18	12	55	47	71	31	11	27	17
1952	14	31	16	7	28	15	11	55	50	70	37	11	27	19
1953	15	32	17	9	32	23	16	52	48	76	39	13	28	21
1954	17	33	17	11	30	17	10	54	51	76	38	12	26	17
1955	18	34	18	12	37	30	21	49	58	75	40	14	31	24
1956	20	35	21	15	39	32	21	68	62	78	43	14	31	25
1957	22	36	22	18	40	36	22	58	63	71	50	14	30	22
1958	24	37	22	20	44	46	29	74	57	76	49	15	31	27
1959	26	37	25	23	44	50	29	72	68	75	56	16	32	30
1960	28	38	26	25	47	56	32	78	69	75	54	17	34	37
1961	31	40	28	27	51	66	38	89	79	76	55	18	35	35
1962	33	42	30	28	53	63	39	70	76	80	60	20	37	36
1963	35	44	33	30	56	79	44	81	78	74	67	23	37	42
1964	38	47	35	32	58	81	50	90	79	60	61	30	37	45
1965	42	48	39	35	68	99	62	78	81	76	56	37	39	48
1966	45	50	43	38	64	91	68	84	80	73	59	34	36	45
1967	49	54	48	41	75	120	78	85	90	89	90	29	48	48
1968	51	57	51	42	71	99	80	84	89	82	77	37	47	43
1969	54	61	55	44	77	99	86	89	96	88	79	42	49	49
1970	58	65	58	47	81	84	88	101	90	89	88	49	61	71
1971	62	69	64	51	94	160	96	131	94	92	89	65	67	85
1972	67	73	68	58	96	169	98	73	100	92	96	66	77	82
1973	71	76	71	61	100	172	109	80	106	96	89	78	72	88
1974	78	82	78	70	109	207	114	94	101	95	85	91	92	111
1975	83	87	86	77	111	222	119	94	107	97	112	97	91	110
1976	94	93	94	95	112	275	124	102	107	99	106	110	90	107
1977	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1978	111	106	107	116	115	240	128	95	111	101	102	204	108	102
1979	124	122	118	122	132	324	138	115	120	101	105	242	108	121
1980	132	133	128	135	105	211	122	179	124	106	104	184	113	66
1981	141	134	143	150	135	286	139	288	153	105	97	312	134	108
1982	148	132	156	163	151	419	157	248	161	104	114	484	140	123
1983	160	137	170	184	133	384	153	222	151	105	104	308	152	110
1984	171	144	188	194	152	458	163	261	150	105	108	632	171	133
1985 13/	185	154	215	207	156	506	168	228	154	105	108	731	194	147

See table 42 for footnotes.

Table 55--Labor: indexes of farm production per required hour, by enterprise groups, Delta States region, 1947-85 1/ (1977=100)

Year	Livestock and livestock products				Crops									
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops 11/	Cotton	Tobacco	Oil crops
1947	14	43	23	5	11	6	17	13	36	78	21	4	--	--
1948	14	43	24	5	12	8	20	16	40	80	24	5	--	--
1949	14	43	23	5	12	8	21	17	34	73	25	5	--	--
1950	14	43	23	6	13	10	22	21	35	70	27	5	--	--
1951	15	44	23	7	13	10	23	20	35	73	26	5	--	--
1952	17	45	24	8	14	9	20	21	35	63	34	6	--	--
1953	17	48	25	9	15	11	23	23	35	70	36	6	--	--
1954	19	50	26	10	16	12	20	26	38	56	36	6	--	--
1955	20	50	27	11	20	18	29	32	40	35	37	8	--	--
1956	21	49	29	14	20	19	29	33	44	43	39	8	--	--
1957	23	49	31	17	20	18	32	29	47	40	40	8	--	--
1958	25	47	32	22	21	21	35	29	48	45	40	8	--	--
1959	28	46	35	26	26	23	38	33	56	44	40	10	--	--
1960	30	46	36	28	26	23	38	35	60	53	49	10	--	--
1961	33	49	39	32	28	30	42	36	64	62	60	12	--	--
1962	35	50	41	33	33	25	42	38	65	68	51	14	--	--
1963	38	53	42	35	37	29	44	42	68	82	62	17	--	--
1964	42	56	46	38	41	34	47	44	73	105	56	18	--	--
1965	46	57	50	40	45	37	60	44	74	100	55	20	--	--
1966	49	60	55	42	48	41	64	47	77	104	57	21	--	--
1967	53	63	59	45	52	47	73	47	85	103	66	22	--	--
1968	57	65	63	48	60	48	75	46	87	94	79	30	--	--
1969	61	68	68	52	57	45	73	49	89	102	70	29	--	--
1970	65	72	71	56	67	59	79	71	87	91	77	34	--	--
1971	70	77	76	60	69	66	81	77	91	101	80	39	--	--
1972	76	80	81	69	73	82	85	81	101	88	90	40	--	--
1973	78	81	84	74	78	73	88	85	102	105	79	48	--	--
1974	84	92	88	79	76	82	90	94	94	73	81	40	--	--
1975	87	90	92	85	86	92	94	98	85	98	92	54	--	--
1976	96	95	96	98	88	114	96	106	104	76	105	53	--	--
1977	100	100	100	100	100	100	100	100	100	100	100	100	--	--
1978	104	98	103	108	110	134	105	112	102	87	87	115	--	--
1979	111	97	108	115	128	131	112	110	112	87	88	155	--	--
1980	117	106	114	118	94	77	100	105	104	82	95	107	--	--
1981	125	110	122	127	122	139	119	120	121	95	107	155	--	--
1982	127	108	128	133	139	161	120	112	128	78	107	221	--	--
1983	134	117	128	140	108	163	123	107	133	91	98	189	--	--
1984	144	117	132	156	145	196	128	127	148	76	90	236	--	--
1985 12/	149	114	138	166	142	210	133	147	152	83	98	233	--	--

-- = Farmers plant a statistically insignificant amount of this crop in this region.

See table 43 for footnotes.

Table 56--Labor: indexes of farm production per required hour, by enterprise groups, Southern Plains region, 1947-85 1/ (1977=100)

Year	Livestock and livestock products				Crops									
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops	Cotton	Tobacco	Oil crops 11/
1947	17	30	13	9	15	11	20	39	19	114	—	6	0	12
1948	18	30	13	9	15	13	24	32	18	94	—	6	0	14
1949	18	30	13	10	20	17	26	36	19	80	—	11	0	31
1950	19	31	14	9	17	21	29	26	20	77	—	8	0	23
1951	20	32	14	10	15	18	27	25	20	46	—	8	0	28
1952	21	33	15	12	18	18	23	42	24	56	—	8	0	37
1953	22	33	15	13	18	19	26	32	23	64	—	9	0	46
1954	23	33	16	14	20	23	24	38	25	55	—	10	0	39
1955	25	35	17	16	21	23	29	27	28	62	—	11	0	41
1956	26	35	18	19	21	22	20	42	31	53	—	10	0	43
1957	26	34	20	20	26	33	31	46	37	67	—	12	0	44
1958	28	35	22	24	31	38	35	84	37	58	—	13	0	56
1959	31	37	24	26	31	41	35	78	42	58	—	14	0	61
1960	33	39	26	28	36	46	38	97	45	71	—	16	0	64
1961	36	41	29	32	38	51	41	94	45	70	—	17	0	67
1962	38	43	31	35	38	47	42	79	47	61	—	20	0	66
1963	41	46	32	39	41	52	40	86	49	80	—	21	0	64
1964	45	48	36	44	45	57	43	102	51	93	—	21	0	71
1965	47	49	41	47	54	71	60	121	54	99	—	27	0	72
1966	50	51	45	49	57	74	65	103	50	88	—	27	0	65
1967	53	53	50	53	54	72	71	86	59	100	—	26	0	58
1968	56	56	53	57	65	79	73	110	60	96	—	32	0	67
1969	61	60	57	61	57	76	59	113	68	96	—	25	0	59
1970	66	65	61	66	59	80	68	97	70	97	—	29	0	76
1971	68	68	66	69	54	74	62	76	77	99	—	26	0	79
1972	75	74	70	77	66	86	68	77	78	103	—	45	0	103
1973	79	79	73	81	83	94	83	106	86	102	—	57	0	98
1974	86	86	80	86	65	85	77	74	81	99	—	37	0	87
1975	87	86	83	88	78	96	94	93	85	102	—	47	0	80
1976	92	90	92	99	87	102	88	88	93	93	—	69	0	89
1977	100	100	100	100	100	100	100	100	100	100	—	100	0	100
1978	102	101	109	105	91	97	95	91	106	93	—	81	0	84
1979	109	108	114	113	111	108	120	136	114	105	—	111	0	109
1980	118	118	128	118	92	91	104	120	121	89	—	65	0	78
1981	124	125	135	125	113	122	119	125	130	105	—	117	0	131
1982	137	141	147	127	104	111	126	128	128	96	—	78	0	92
1983	141	144	164	138	97	110	138	123	130	103	—	98	0	98
1984	149	151	179	145	115	113	128	143	122	93	—	114	0	128
1985 12/	158	164	202	156	127	132	145	144	142	91	—	138	0	149

-- = Farmers plant a statistically insignificant amount of this crop in the region.

See table 44 for footnotes.

Table 57--Labor: indexes of farm production per required hour, by enterprise groups, Mountain region, 1947-85 1/ (1977=100)

Year	Livestock and livestock products				Crops								
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops 11/	Cotton	Tobacco	Oil crops
1947	23	26	20	16	21	12	12	33	29	59	26	6	0	—
1948	24	26	21	17	23	12	12	36	32	55	24	6	0	—
1949	25	26	21	18	22	13	13	32	32	54	29	7	0	—
1950	26	27	22	19	24	14	14	42	36	44	30	7	0	—
1951	27	27	23	20	26	13	15	38	36	52	32	9	0	—
1952	28	28	23	21	29	14	17	39	42	60	35	12	0	—
1953	28	29	24	22	33	15	19	45	43	50	38	16	0	—
1954	29	29	25	24	27	15	14	41	44	62	34	12	0	—
1955	31	31	26	26	30	16	15	52	45	60	39	12	0	—
1956	33	33	28	28	31	17	16	47	49	59	43	13	0	—
1957	34	34	30	31	34	21	17	69	51	61	50	13	0	—
1958	38	38	32	35	38	26	18	79	52	57	53	13	0	—
1959	40	42	34	38	38	27	18	75	54	60	58	14	0	—
1960	43	45	36	42	40	26	19	80	55	56	59	17	0	—
1961	45	47	38	47	40	27	19	66	59	62	56	22	0	—
1962	48	49	40	49	43	32	20	70	57	66	61	29	0	—
1963	51	52	43	53	45	32	20	68	64	67	75	31	0	—
1964	55	56	46	57	45	34	21	74	57	77	62	32	0	—
1965	58	59	49	61	56	40	36	76	66	78	65	37	0	—
1966	62	61	52	67	60	41	44	86	68	78	72	37	0	—
1967	65	65	56	72	65	44	53	87	69	84	76	34	0	—
1968	69	68	61	71	65	44	53	93	69	90	73	44	0	—
1969	74	72	65	74	64	44	53	90	74	93	77	39	0	—
1970	79	76	69	75	71	56	59	104	78	88	77	37	0	—
1971	83	80	71	76	76	61	62	107	84	89	88	41	0	—
1972	88	85	78	85	81	70	69	101	88	85	90	51	0	—
1973	92	90	79	89	84	73	80	100	90	98	88	55	0	—
1974	91	92	70	90	92	79	90	101	92	91	93	72	0	—
1975	94	93	88	96	93	91	94	116	95	100	89	71	0	—
1976	98	98	93	101	100	104	97	118	99	96	102	101	0	—
1977	100	100	100	100	100	100	100	100	100	100	100	100	0	—
1978	109	110	103	107	110	111	109	122	110	100	105	103	0	—
1979	112	113	109	119	111	123	111	108	113	102	109	114	0	—
1980	118	121	118	124	120	125	116	130	120	101	121	131	0	—
1981	122	126	124	131	126	135	129	139	107	106	135	146	0	—
1982	125	131	131	133	128	143	135	154	110	105	125	134	0	—
1983	133	143	139	145	127	139	138	167	110	108	125	147	0	—
1984	139	150	145	142	129	128	140	143	117	105	126	151	0	—
1985 12/	145	159	159	153	120	123	143	125	122	110	129	154	0	—

— = Farmers plant a statistically insignificant amount of this crop in the region.

See table 45 for footnotes.

Table 58--Labor: indexes of farm production per required hour, by enterprise groups, Pacific region, 1947-85 1/ (1977=100)

Year	Livestock and livestock products				Crops								
	All 2/	Meat animals 3/	Milk cows	Poultry 4/	All 5/	Feed grains 6/	Hay and forage 7/	Food grains 8/	Vegetables 9/	Fruits and nuts 10/	Sugar crops 11/	Cotton	Tobacco	Oil crops
1947	14	34	7	8	34	22	17	29	52	44	21	6	0	—
1948	15	37	7	9	36	25	18	35	57	43	18	7	0	—
1949	16	40	8	10	37	27	19	32	59	47	21	7	0	—
1950	17	44	8	11	40	32	20	44	60	49	22	7	0	—
1951	18	46	8	11	41	30	22	44	59	48	23	9	0	—
1952	19	46	8	12	44	36	23	46	63	51	24	9	0	—
1953	20	48	9	14	47	36	26	46	66	55	28	10	0	—
1954	21	49	9	15	50	40	21	46	70	59	31	12	0	—
1955	22	51	10	16	51	40	22	48	72	61	32	12	0	—
1956	23	51	10	17	52	43	22	50	74	59	36	14	0	—
1957	24	49	11	18	54	49	22	66	78	55	41	16	0	—
1958	26	50	12	20	54	45	22	70	78	57	39	16	0	—
1959	28	52	13	22	58	52	22	81	80	57	49	19	0	—
1960	30	54	15	23	58	53	23	74	77	59	46	20	0	—
1961	32	57	15	25	59	56	24	67	80	61	46	23	0	—
1962	34	60	17	27	62	62	24	85	77	64	51	26	0	—
1963	36	63	18	29	65	59	25	81	80	70	56	26	0	—
1964	39	66	20	31	68	64	26	90	80	77	56	29	0	—
1965	42	69	21	33	72	64	48	87	86	72	58	30	0	—
1966	44	71	23	36	74	62	58	91	87	76	55	26	0	—
1967	47	73	26	38	74	60	73	91	86	71	56	26	0	—
1968	50	76	29	39	78	61	75	92	91	73	68	36	0	—
1969	53	79	31	44	77	62	75	92	94	78	61	32	0	—
1970	58	82	36	47	82	80	78	105	96	80	72	33	0	—
1971	61	84	40	50	84	88	80	114	96	81	72	31	0	—
1972	67	89	46	55	90	91	83	115	100	81	82	47	0	—
1973	70	92	50	60	88	90	84	90	97	89	76	48	0	—
1974	76	94	58	66	96	99	90	106	99	93	81	61	0	—
1975	82	98	67	74	98	108	93	127	95	98	94	74	0	—
1976	92	101	82	90	103	108	96	119	101	100	98	90	0	—
1977	100	100	100	100	100	100	100	100	100	100	100	100	0	—
1978	110	103	125	110	101	113	101	116	102	101	102	88	0	—
1979	122	111	174	121	109	122	105	117	104	106	112	139	0	—
1980	129	112	179	129	116	139	114	146	110	113	111	137	0	—
1981	140	128	182	140	120	135	117	161	114	111	112	159	0	—
1982	146	138	183	151	116	150	122	143	110	115	117	157	0	—
1983	153	139	187	162	115	146	123	154	110	118	115	148	0	—
1984	163	154	191	175	114	163	130	164	109	114	114	149	0	—
1985 12/	170	149	200	190	118	144	131	147	114	117	110	174	0	—

— = Farmers plant a statistically insignificant amount of this crop in the region.

See table 46 for footnotes.

Table 59--Persons supplied farm products by one farmworker, United States, 1947-85

Year	Persons supplied per farmworker 1/			Total farm employment 2/	Total U.S. population, July 1 3/
	Total	At home	Abroad		
	--------Number---------			----------Millions----------	
1947	14.1	12.6	1.5	10.4	144.1
1948	14.5	12.8	1.7	10.4	146.6
1949	14.9	13.4	1.5	10.0	149.2
1950	15.5	13.8	1.7	9.9	151.7
1951	15.8	14.0	1.8	9.5	154.3
1952	16.4	15.0	1.4	9.1	157.0
1953	17.2	15.8	1.4	8.9	159.6
1954	18.1	16.2	1.9	8.7	162.4
1955	19.5	17.3	2.2	8.4	165.3
1956	21.7	18.5	3.2	7.9	168.2
1957	22.7	19.8	2.9	7.6	171.3
1958	23.2	20.6	2.6	7.5	174.1
1959	24.5	21.4	3.1	7.3	177.9
1960	25.8	22.3	3.5	7.1	180.8
1961	27.6	23.6	4.0	6.9	183.7
1962	28.6	24.7	3.9	6.7	186.6
1963	30.7	25.8	4.9	6.5	189.3
1964	33.2	27.9	5.3	6.1	191.9
1965	37.0	30.8	6.2	5.6	194.4
1966	39.6	33.6	6.0	5.2	196.6
1967	42.1	36.0	6.1	4.9	198.8
1968	43.4	37.9	5.5	4.7	200.7
1969	45.1	39.0	6.1	4.6	202.7
1970	47.9	40.6	7.3	4.5	205.1
1971	49.5	42.0	7.5	4.4	207.7
1972	53.4	42.4	11.0	4.4	209.9
1973	58.6	44.3	14.3	4.3	211.9
1974	55.4	42.8	12.6	4.4	213.9
1975	58.3	44.2	14.1	4.3	216.0
1976	58.0	43.6	14.4	4.4	218.0
1977	61.3	44.0	17.3	4.2	220.2
1978	65.7	47.3	18.4	4.0	222.6
1979	72.3	50.4	21.9	3.8	225.1
1980	75.8	52.3	23.5	3.7	227.8
1981	75.4	54.8	20.6	3.6	230.0
1982	74.6	56.6	18.0	3.6	232.5
1983	79.7	57.6	22.1	3.5	234.8
1984	74.1	57.9	16.2	3.5	237.0
1985 4/	74.7	60.1	14.6	3.4	239.3

1/ Includes the farmworker. Thus, in 1947, the average farmworker supplied himself and 13.1 other persons. 2/ Includes farm operators, unpaid family workers, and hired workers. 3/ Includes military forces in the United States and abroad. 4/ Preliminary.

Table 60--Indexes of total farm input and major input subgroups, United States, 1947-85
(1977=100)

Year	Total input			Farm labor	Farm real estate	Mechanical power and machinery	Agricultural chemicals	Feed, seed, & livestock purchases	Taxes and interest	Miscellaneous
	All	Non-purchased 1/	Purchased 2/	3/	4/	5/	6/	7/	8/	9/
1947	104	174	59	297	106	54	15	51	82	60
1948	104	170	61	285	107	62	16	52	80	63
1949	108	172	65	285	108	68	18	56	83	66
1950	106	167	64	265	109	72	19	58	83	63
1951	106	164	66	251	109	77	21	62	84	68
1952	105	162	67	237	108	81	23	63	86	67
1953	103	157	66	220	108	82	24	63	87	67
1954	102	157	65	214	108	82	24	65	87	65
1955	104	155	69	220	108	83	26	66	89	68
1956	103	150	70	212	106	84	27	69	89	65
1957	100	142	69	196	105	83	27	68	88	68
1958	98	136	71	182	104	83	28	73	89	71
1959	101	135	74	183	105	84	32	77	94	75
1960	99	130	76	177	103	83	32	77	95	77
1961	98	125	76	167	103	80	35	81	96	78
1962	98	124	78	163	104	80	38	83	98	81
1963	98	118	80	155	104	79	43	83	99	83
1964	98	116	81	148	104	80	46	85	101	87
1965	97	114	82	144	103	80	49	86	101	85
1966	96	111	83	132	102	82	56	89	102	82
1967	98	109	87	128	104	85	66	92	102	80
1968	97	109	87	124	102	86	69	89	102	85
1969	96	106	87	118	102	86	73	93	101	85
1970	96	106	87	112	105	85	75	96	102	89
1971	97	103	90	108	103	87	81	102	101	89
1972	97	103	91	110	102	86	86	104	102	92
1973	98	103	93	109	100	90	90	107	102	90
1974	98	103	93	109	99	92	92	99	103	87
1975	97	103	90	106	97	96	83	93	100	82
1976	98	100	96	100	98	98	96	101	102	90
1977	100	100	100	100	100	100	100	100	100	100
1978	102	100	105	100	100	104	107	108	99	103
1979	105	100	111	99	103	104	123	115	103	113
1980	103	100	106	96	103	101	123	114	100	96
1981	102	98	106	96	103	98	129	108	99	108
1982	100	96	104	93	103	94	118	106	99	115
1983	97	93	103	97	101	90	105	108	99	100
1984	96	91	102	92	99	88	121	104	95	110
1985 10/	94	87	100	85	97	83	123	110	96	116

1/ Includes operator and unpaid family labor, and operator-owned real estate and other capital inputs. 2/ Includes all inputs other than nonpurchased inputs. 3/ Includes hired, operator, and unpaid family labor. 4/ Includes all land in farms, service buildings, grazing fees, and repairs on service buildings. 5/ Includes interest and depreciation on mechanical power and machinery repairs, licenses, and fuel. 6/ Includes fertilizer, lime, and pesticides. 7/ Includes nonfarm value of feed, seed, and livestock purchases. 8/ Includes real estate and personal property taxes, and interest on livestock and crop inventory. 9/ Includes such things as insurances, telephone, veterinary fees, containers, and binding materials. 10/ Preliminary.

Table 61--Indexes of total farm input and major input subgroups, Northeast region, 1947-85
(1977=100)

Year	Total input			Farm labor 3/	Farm real estate 4/	Mechanical power and machinery 5/	Agricultural chemicals 6/	Feed, seed, & livestock purchases 7/	Taxes and interest 8/	Miscellaneous 9/
	All	Non-purchased 1/	Purchased 2/							
1947	149	258	93	376	183	75	50	97	119	68
1948	148	249	96	354	177	86	50	102	116	69
1949	152	250	101	356	181	91	53	113	116	68
1950	152	248	102	344	182	94	55	116	113	70
1951	147	233	100	310	178	97	56	120	110	71
1952	144	227	99	292	173	99	59	119	112	67
1953	140	218	97	276	168	98	59	115	114	66
1954	138	217	94	270	169	96	58	114	114	67
1955	138	211	97	276	168	94	63	109	113	67
1956	136	204	98	269	161	95	65	109	112	70
1957	131	192	96	249	159	94	64	103	111	72
1958	127	181	96	233	152	93	67	106	108	74
1959	126	176	97	225	153	93	72	102	110	74
1960	123	166	98	219	144	92	69	101	111	76
1961	120	158	97	207	140	89	70	102	110	78
1962	119	154	97	199	136	87	71	106	110	77
1963	115	143	97	185	132	85	74	106	107	79
1964	113	139	96	177	129	84	74	106	106	81
1965	113	138	96	178	124	84	76	108	103	81
1966	109	130	94	161	119	84	81	108	98	82
1967	108	125	96	152	119	86	84	110	97	84
1968	105	121	93	143	113	86	83	105	96	85
1969	102	116	91	134	110	84	84	106	94	88
1970	101	115	91	128	118	84	86	103	93	91
1971	99	109	92	120	114	84	94	99	92	91
1972	98	107	91	116	113	84	94	94	93	90
1973	99	106	93	113	114	87	102	94	92	90
1974	99	105	95	113	106	91	100	95	96	92
1975	98	106	92	109	102	95	88	89	99	88
1976	99	102	97	101	101	98	95	101	100	89
1977	100	100	100	100	100	100	100	100	100	100
1978	104	100	107	101	100	107	105	109	99	106
1979	107	101	111	98	105	109	113	118	108	106
1980	103	100	106	93	104	105	109	120	101	102
1981	102	97	105	89	103	101	113	117	103	108
1982	100	95	104	88	102	98	101	114	107	126
1983	99	92	104	93	101	95	94	117	108	112
1984	110	105	114	143	100	92	101	112	110	113
1985 10/	108	103	112	136	102	87	101	117	111	116

See table 60 for footnotes.

Table 62--Indexes of total farm input and major input subgroups, Lake States region, 1947-85
(1977=100)

Year	Total input			Farm labor	Farm real estate	Mechanical power and machinery	Agricultural chemicals	Feed, seed, & livestock purchases	Taxes and interest	Miscellaneous
	All	Non-purchased 1/	Purchased 2/	3/	4/	5/	6/	7/	8/	9/
1947	113	183	67	323	121	58	12	59	97	56
1948	110	174	68	301	118	64	13	56	94	55
1949	115	179	72	307	122	71	15	61	96	56
1950	113	176	71	289	121	75	15	61	96	55
1951	111	170	71	266	122	80	16	65	95	58
1952	111	169	72	255	119	85	17	67	98	56
1953	110	166	71	240	118	87	18	68	101	57
1954	111	168	71	238	118	88	19	73	100	59
1955	114	167	77	247	119	88	22	76	103	60
1956	113	164	78	242	118	89	24	78	102	58
1957	111	157	78	228	118	88	25	77	103	61
1958	108	148	78	210	116	88	27	80	102	64
1959	109	148	81	209	119	88	30	86	105	63
1960	106	138	82	202	114	83	28	87	107	68
1961	106	134	83	192	113	82	31	95	109	69
1962	104	130	82	186	113	79	31	93	110	75
1963	101	124	83	176	111	78	35	92	110	74
1964	102	122	85	170	111	78	39	97	112	81
1965	101	120	85	168	109	77	42	94	110	76
1966	99	115	84	153	107	79	47	96	109	75
1967	99	112	88	146	108	82	58	98	103	82
1968	98	111	87	139	104	83	61	93	104	82
1969	96	107	86	129	103	81	68	93	101	85
1970	96	106	86	121	108	82	66	95	104	87
1971	96	102	89	118	105	81	80	100	103	85
1972	95	101	88	117	103	81	80	97	102	86
1973	95	100	89	113	102	83	83	99	102	84
1974	96	101	92	112	98	88	85	97	106	85
1975	95	101	89	107	96	92	82	92	101	84
1976	96	97	95	100	97	92	96	100	105	85
1977	100	100	100	100	100	100	100	100	100	100
1978	103	99	107	100	102	103	111	99	109	103
1979	106	98	115	97	107	102	130	102	120	121
1980	106	99	112	92	108	103	127	108	123	108
1981	105	97	114	88	110	100	139	105	126	114
1982	105	95	115	86	110	97	131	109	129	151
1983	101	92	112	87	107	94	111	112	133	121
1984	112	108	116	141	104	90	132	109	128	129
1985 10/	109	103	114	132	100	85	137	112	130	138

See table 60 for footnotes.

Table 63--Indexes of total farm input and major input subgroups, Corn Belt region, 1947-85 (1977=100)

Year	Total input			Farm labor 3/	Farm real estate 4/	Mechanical power and machinery 5/	Agricultural chemicals 6/	Feed, seed, & livestock purchases 7/	Taxes and interest 8/	Miscellaneous 9/
	All	Non-purchased 1/	Purchased 2/							
1947	92	149	55	332	98	51	10	61	84	60
1948	93	148	57	327	98	57	11	60	81	63
1949	97	151	61	327	101	63	13	65	86	67
1950	96	148	61	306	101	68	13	66	88	64
1951	96	144	63	283	102	72	15	70	89	65
1952	97	144	64	271	102	76	17	72	91	66
1953	95	141	64	253	101	77	19	73	93	60
1954	96	143	64	251	102	77	20	75	91	65
1955	98	141	68	259	102	79	20	79	95	71
1956	97	137	68	250	100	79	20	82	96	61
1957	95	133	69	235	100	79	20	81	96	73
1958	94	126	70	217	97	79	21	86	98	73
1959	97	127	73	218	99	80	25	91	104	78
1960	94	121	73	209	97	78	24	89	104	79
1961	93	117	73	192	97	77	26	94	103	78
1962	93	116	75	185	97	77	29	97	105	84
1963	94	112	78	175	97	77	35	98	107	89
1964	94	111	79	166	98	78	40	97	109	90
1965	95	110	81	163	99	79	44	97	107	85
1966	96	109	85	150	100	81	55	100	109	92
1967	99	108	89	147	103	85	65	100	108	85
1968	98	108	89	139	102	87	67	96	110	93
1969	97	106	89	129	102	87	68	98	110	87
1970	97	104	89	122	102	87	71	100	109	94
1971	96	102	90	118	100	88	77	102	104	93
1972	97	103	90	117	99	89	78	105	106	91
1973	97	102	91	113	97	91	79	109	105	85
1974	97	102	92	111	96	95	85	100	103	77
1975	96	102	90	108	95	98	81	98	95	83
1976	100	102	97	101	97	101	98	104	101	88
1977	100	100	100	100	100	100	100	100	100	100
1978	102	101	103	100	100	103	104	98	103	107
1979	106	100	112	98	103	103	123	101	110	128
1980	104	100	108	94	103	100	126	101	107	111
1981	102	97	107	93	103	96	129	95	104	120
1982	100	94	105	91	101	91	119	98	105	150
1983	95	90	100	95	98	86	102	98	101	109
1984	96	94	99	109	96	84	122	94	91	108
1985 10/	93	89	97	96	92	79	122	98	94	115

See table 60 for footnotes.

Table 64--Indexes of total farm input and major input subgroups, Northern Plains region, 1947-85 (1977=100)

Year	Total input			Farm labor 3/	Farm real estate 4/	Mechanical power and machinery 5/	Agricultural chemicals 6/	Feed, seed, & livestock purchases 7/	Taxes and interest 8/	Miscellaneous 9/
	All	Non-purchased 1/	Purchased 2/							
1947	93	140	56	236	101	60	2	38	79	61
1948	92	138	57	224	103	68	2	37	75	59
1949	92	135	58	212	97	73	3	38	80	52
1950	93	136	59	206	97	77	4	40	79	56
1951	93	134	60	194	98	82	4	43	84	55
1952	93	134	60	183	97	87	5	45	84	54
1953	91	132	59	173	98	88	7	45	83	50
1954	93	135	59	175	98	89	8	48	82	51
1955	94	133	63	177	98	90	9	50	85	53
1956	91	127	62	166	97	90	9	50	81	43
1957	90	124	62	162	96	88	9	48	81	56
1958	89	119	64	149	95	88	11	53	85	67
1959	89	115	66	142	97	83	15	61	92	64
1960	90	114	68	141	97	85	16	62	90	72
1961	87	108	67	130	98	79	21	63	94	67
1962	89	110	69	131	99	81	22	67	95	74
1963	88	105	71	125	100	77	26	68	100	73
1964	88	103	72	120	101	77	27	68	102	77
1965	90	103	75	122	102	78	31	70	103	78
1966	91	103	78	115	101	80	42	77	106	78
1967	93	102	82	115	102	84	51	81	106	78
1968	93	103	83	112	102	85	60	80	104	84
1969	93	101	83	105	101	87	58	85	104	90
1970	93	100	84	105	101	84	65	90	105	87
1971	94	99	88	104	99	86	68	110	105	89
1972	95	99	90	106	98	84	72	122	108	91
1973	98	101	93	107	97	90	80	124	107	89
1974	98	103	92	110	97	94	80	109	106	80
1975	99	104	92	105	97	100	78	97	101	93
1976	99	100	97	100	99	98	95	103	102	94
1977	100	100	100	100	100	100	100	100	100	100
1978	102	99	105	100	99	100	107	116	106	100
1979	104	100	110	99	101	101	124	124	107	120
1980	101	99	104	96	101	97	126	120	107	59
1981	101	99	104	97	101	96	130	109	103	97
1982	100	96	105	94	101	92	119	112	106	145
1983	98	94	103	96	100	89	104	116	107	116
1984	96	96	97	95	98	86	119	113	104	115
1985 10/	93	90	96	81	94	81	127	122	104	125

See table 60 for footnotes.

Table 65--Indexes of total farm input and major input subgroups, Appalachian region, 1947-85 (1977=100)

Year	Total input			Farm labor 3/	Farm real estate 4/	Mechanical power and machinery 5/	Agricultural chemicals 6/	Feed, seed, & livestock purchases 7/	Taxes and interest 8/	Miscellaneous 9/
	All	Non-purchased 1/	Purchased 2/							
1947	130	220	67	366	144	42	35	44	86	68
1948	129	213	69	351	144	48	36	46	85	72
1949	134	220	73	362	140	56	39	49	86	75
1950	131	213	73	339	139	62	41	50	86	68
1951	132	211	74	327	137	68	45	53	84	73
1952	130	206	75	309	135	72	48	55	85	70
1953	124	194	73	279	133	75	47	54	85	72
1954	123	195	71	274	131	77	45	55	84	65
1955	124	188	76	273	130	79	46	56	84	77
1956	122	182	77	263	126	81	46	59	85	75
1957	114	166	74	227	122	81	45	59	83	77
1958	112	157	76	212	119	82	44	64	81	84
1959	115	157	80	217	118	83	52	65	84	86
1960	113	150	82	210	114	83	50	66	86	84
1961	111	145	82	202	113	81	53	69	85	86
1962	112	144	84	201	112	82	57	70	86	90
1963	111	137	87	193	110	80	62	71	87	96
1964	110	132	87	180	109	81	64	73	88	103
1965	107	126	88	163	108	82	64	80	87	99
1966	104	121	87	147	105	86	69	82	87	95
1967	104	116	90	138	106	89	75	85	88	96
1968	101	113	88	129	103	89	71	85	90	100
1969	99	111	88	123	101	90	73	88	89	101
1970	100	111	88	114	111	89	74	91	90	113
1971	99	107	90	105	107	91	80	98	90	112
1972	98	104	90	106	106	88	82	96	92	112
1973	98	103	92	104	104	90	85	101	93	109
1974	98	102	94	106	101	92	88	94	96	99
1975	98	104	91	109	98	94	83	89	102	91
1976	99	102	96	103	99	97	91	98	102	98
1977	100	100	100	100	100	100	100	100	100	100
1978	105	101	109	103	100	109	104	113	98	115
1979	106	99	113	96	104	109	114	125	104	124
1980	104	101	108	96	104	108	110	127	100	94
1981	105	101	109	99	103	105	119	119	95	118
1982	102	99	106	95	102	103	107	115	98	145
1983	99	93	106	98	101	96	97	117	98	115
1984	93	89	98	74	99	97	109	114	93	126
1985 10/	91	87	96	69	99	93	111	119	96	132

See table 60 for footnotes.

Table 66--Indexes of total farm input and major input subgroups, Southeast region, 1947-85
(1977=100)

Year	Total input			Farm labor 3/	Farm real estate 4/	Mechanical power and machinery 5/	Agricultural chemicals 6/	Feed, seed, & livestock purchases 7/	Taxes and interest 8/	Miscellaneous 9/
	All	Non-purchased 1/	Purchased 2/							
1947	104	218	48	323	123	45	28	24	65	66
1948	105	213	51	312	125	52	30	25	65	71
1949	106	211	53	301	128	60	31	29	65	66
1950	103	200	52	271	128	65	32	30	67	60
1951	106	201	56	269	126	71	36	34	67	74
1952	104	192	57	246	123	76	38	37	70	72
1953	102	183	57	226	122	78	38	38	72	75
1954	100	177	57	207	123	79	39	40	76	72
1955	103	176	60	219	119	81	40	42	75	78
1956	100	165	62	202	113	83	41	46	77	73
1957	94	150	61	172	109	82	41	48	76	68
1958	92	139	62	157	105	82	40	55	75	68
1959	96	141	68	166	102	84	46	58	76	78
1960	93	134	69	162	100	82	47	58	76	81
1961	94	129	70	153	99	81	50	61	76	82
1962	95	128	72	154	98	80	53	63	79	85
1963	95	123	74	148	97	81	55	64	79	85
1964	95	118	77	137	96	81	58	70	83	98
1965	96	119	78	136	98	82	58	73	87	101
1966	94	114	78	123	98	83	62	78	87	92
1967	97	113	83	123	100	86	71	82	88	85
1968	95	111	82	115	99	87	75	80	87	92
1969	96	109	85	114	98	87	80	86	86	94
1970	97	109	86	109	105	86	81	93	85	100
1971	98	108	89	105	103	90	85	98	85	106
1972	99	107	91	107	103	88	93	96	88	113
1973	100	106	94	107	101	91	97	100	89	108
1974	101	105	96	107	101	95	98	92	100	106
1975	97	105	90	105	99	97	82	87	103	88
1976	99	102	96	101	100	99	94	96	103	99
1977	100	100	100	100	100	100	100	100	100	100
1978	103	100	106	101	100	106	106	111	95	112
1979	106	101	112	98	103	110	117	123	99	123
1980	104	102	106	101	103	104	110	118	96	103
1981	102	99	104	98	102	100	113	111	91	107
1982	95	93	96	90	100	97	100	101	93	75
1983	96	90	100	97	97	93	92	99	88	110
1984	79	65	92	47	96	89	103	97	85	125
1985 10/	77	62	91	45	95	84	103	104	85	125

See table 60 for footnotes.

Table 67--Indexes of total farm input and major input subgroups, Delta States region, 1947-85
(1977=100)

Year	Total input			Farm labor 3/	Farm real estate 4/	Mechanical power and machinery 5/	Agricultural chemicals 6/	Feed, seed, & livestock purchases 7/	Taxes and interest 8/	Miscellaneous 9/
	All	Non-purchased 1/	Purchased 2/							
1947	115	220	54	465	106	45	16	31	78	66
1948	126	237	61	512	108	52	19	32	75	91
1949	125	229	63	480	109	60	22	34	77	82
1950	118	211	61	409	114	65	24	35	76	70
1951	119	209	64	393	114	70	28	38	77	81
1952	119	205	65	376	112	75	29	39	79	86
1953	118	201	65	361	113	76	27	40	83	94
1954	110	187	62	309	112	77	29	42	83	80
1955	112	184	66	320	110	78	29	42	83	92
1956	109	174	66	294	107	80	30	44	86	83
1957	101	158	63	248	105	80	28	45	85	66
1958	96	146	63	221	103	79	25	49	83	64
1959	104	151	71	237	102	85	30	55	85	90
1960	102	143	73	225	102	83	32	57	85	89
1961	103	140	75	216	101	83	35	64	85	95
1962	102	135	76	196	102	85	40	62	88	99
1963	104	133	82	195	102	87	45	66	90	111
1964	106	131	85	185	104	88	50	71	95	115
1965	104	124	86	169	104	87	52	73	98	110
1966	100	118	83	145	103	90	52	80	97	91
1967	101	114	89	137	103	94	64	85	99	83
1968	102	114	91	135	101	96	70	85	100	101
1969	101	111	93	130	100	95	78	89	100	100
1970	104	114	95	123	110	96	81	96	98	110
1971	104	111	98	118	107	97	89	104	96	116
1972	107	113	102	124	106	97	102	102	97	124
1973	105	108	101	114	105	98	103	109	96	111
1974	105	109	101	111	103	104	106	98	100	106
1975	97	104	90	102	100	97	85	90	105	79
1976	99	102	97	99	101	100	96	98	104	94
1977	100	100	100	100	100	100	100	100	100	100
1978	104	101	107	98	101	107	115	112	96	96
1979	107	100	113	96	104	110	128	120	90	106
1980	104	100	107	92	105	106	130	115	90	91
1981	104	99	108	95	106	101	139	109	85	97
1982	98	96	100	90	106	98	124	105	88	56
1983	97	92	103	94	103	95	115	103	86	73
1984	94	83	105	73	101	91	132	104	84	109
1985 10/	90	77	102	61	100	86	131	110	84	110

See table 60 for footnotes.

Table 68--Indexes of total farm input and major input subgroups, Southern Plains region, 1947-85
(1977=100)

Year	Total input			Farm labor 3/	Farm real estate 4/	Mechanical power and machinery 5/	Agricultural chemicals 6/	Feed, seed, & livestock purchases 7/	Taxes and interest 8/	Miscellaneous 9/
	All	Non-purchased 1/	Purchased 2/							
1947	110	178	59	345	96	62	6	47	66	52
1948	107	169	60	314	97	69	8	46	63	60
1949	114	174	68	328	97	75	9	53	65	92
1950	106	162	63	284	97	77	11	54	66	59
1951	108	163	66	279	98	82	12	58	66	73
1952	105	156	65	252	98	86	13	57	67	71
1953	102	152	64	236	99	87	12	54	66	74
1954	100	149	62	223	98	87	12	54	65	70
1955	101	148	64	231	97	87	13	54	66	68
1956	98	141	64	215	96	88	15	56	65	63
1957	95	134	64	197	96	87	15	54	63	64
1958	95	130	66	189	95	87	17	58	64	77
1959	97	129	70	189	96	87	19	63	73	80
1960	97	125	72	180	97	86	22	63	77	81
1961	96	121	73	171	97	84	26	63	80	84
1962	95	117	75	158	98	83	36	67	82	84
1963	95	112	78	147	99	81	44	66	83	84
1964	94	110	78	139	100	81	49	65	85	83
1965	96	109	81	137	102	84	53	64	86	88
1966	93	104	79	117	102	86	56	70	87	73
1967	94	104	84	117	104	89	66	73	87	67
1968	96	105	85	117	104	91	73	71	87	77
1969	97	105	87	116	105	91	85	83	89	71
1970	98	105	89	113	105	90	87	88	91	77
1971	98	101	92	107	104	89	91	107	94	75
1972	102	103	97	113	104	91	101	115	98	90
1973	104	105	101	112	103	97	102	124	102	96
1974	101	103	96	109	102	94	106	104	101	72
1975	97	103	89	105	99	95	85	93	102	65
1976	98	99	95	97	100	95	96	106	101	84
1977	100	100	100	100	100	100	100	100	100	100
1978	101	98	103	96	100	103	106	121	98	85
1979	103	99	109	99	100	104	124	126	95	103
1980	98	98	99	90	100	99	119	122	87	82
1981	98	97	99	94	99	95	124	113	85	102
1982	93	95	91	87	100	92	107	97	86	65
1983	93	93	93	91	99	89	102	97	89	69
1984	96	95	97	100	99	87	119	92	90	90
1985 10/	93	92	93	87	98	83	119	97	88	95

See table 60 for footnotes.

Table 69--Indexes of total farm input and major input subgroups, Mountain region, 1947-85
(1977=100)

Year	Total input			Farm labor	Farm real estate	Mechanical power and machinery	Agricultural chemicals	Feed, seed, & livestock purchases	Taxes and interest	Miscellaneous
	All	Non-purchased 1/	Purchased 2/	3/	4/	5/	6/	7/	8/	9/
1947	90	144	51	250	88	49	6	38	77	58
1948	91	142	53	239	89	56	8	37	78	59
1949	95	145	57	241	93	63	8	40	80	61
1950	94	142	58	227	93	67	11	41	79	66
1951	94	139	60	211	94	72	14	44	82	72
1952	94	138	61	200	94	76	15	45	86	70
1953	93	134	60	185	95	78	15	45	87	72
1954	94	138	59	191	95	78	17	46	87	66
1955	95	136	63	194	95	79	19	48	88	65
1956	95	133	64	188	95	79	21	50	87	67
1957	94	130	65	182	96	79	21	50	85	71
1958	93	126	67	171	96	79	26	54	87	73
1959	96	125	72	166	98	83	28	59	91	79
1960	95	121	73	163	98	82	29	62	91	81
1961	94	118	74	154	99	79	34	63	91	81
1962	94	117	75	153	101	79	35	65	91	82
1963	94	113	77	147	102	78	38	68	96	81
1964	95	112	79	142	103	80	41	68	98	87
1965	91	104	79	134	94	79	45	70	98	79
1966	91	102	80	123	94	80	52	75	98	80
1967	93	100	84	120	95	83	63	80	99	80
1968	93	101	85	120	95	84	69	82	99	82
1969	94	101	86	119	94	83	77	91	98	83
1970	94	101	86	113	98	82	79	93	100	82
1971	95	99	89	108	98	84	84	104	102	84
1972	96	100	90	110	98	83	91	111	103	84
1973	97	101	92	109	97	87	99	109	103	86
1974	96	100	90	106	96	89	98	93	102	89
1975	96	102	89	106	94	94	89	86	104	81
1976	98	100	96	101	98	96	101	101	103	88
1977	100	100	100	100	100	100	100	100	100	100
1978	103	101	106	103	101	102	113	124	98	107
1979	104	99	109	101	103	101	126	124	100	105
1980	101	99	102	97	104	97	125	122	90	92
1981	100	99	102	100	103	94	135	108	90	101
1982	98	97	100	96	103	91	136	108	87	104
1983	97	94	101	104	101	87	124	115	87	93
1984	97	92	102	102	100	85	140	111	88	100
1985 10/	96	89	103	100	99	80	138	121	85	112

See table 60 for footnotes.

Table 70--Indexes of total farm input and major input subgroups, Pacific region, 1947-85
(1977=100)

Year	Total input			Farm labor 3/	Farm real estate 4/	Mechanical power and machinery 5/	Agricultural chemicals 6/	Feed, seed, & livestock purchases 7/	Taxes and interest 8/	Miscellaneous 9/
	All	Non-purchased 1/	Purchased 2/							
1947	89	149	49	168	92	55	13	46	75	54
1948	89	145	52	157	95	64	14	50	75	56
1949	91	147	54	160	96	69	14	57	76	57
1950	91	144	55	151	98	69	16	60	76	63
1951	92	143	58	146	99	77	19	66	76	65
1952	91	141	58	139	101	77	20	69	79	67
1953	89	135	58	127	103	78	20	69	81	66
1954	88	135	57	123	104	77	21	71	82	65
1955	91	134	61	129	105	76	25	72	87	64
1956	93	134	65	131	105	77	29	77	88	67
1957	92	131	65	127	105	77	29	77	86	69
1958	92	127	68	121	106	78	33	85	88	68
1959	96	128	73	125	108	80	37	93	95	72
1960	95	123	76	122	109	79	37	92	102	74
1961	95	120	78	116	110	79	39	98	102	74
1962	96	119	80	116	112	79	42	101	104	77
1963	95	114	80	110	113	78	45	95	105	76
1964	96	114	82	109	115	78	48	99	108	81
1965	94	112	81	109	110	77	51	92	110	75
1966	93	110	81	106	109	78	53	92	110	74
1967	93	105	84	100	109	78	67	98	113	74
1968	94	107	84	103	107	78	72	95	112	74
1969	93	105	84	99	105	78	76	96	110	75
1970	92	103	84	94	107	78	81	95	109	75
1971	92	100	87	92	105	81	89	99	110	74
1972	94	100	88	96	103	81	99	92	110	78
1973	95	102	90	101	100	84	104	93	106	76
1974	97	101	93	104	98	83	105	96	107	87
1975	96	102	91	102	96	93	92	90	104	79
1976	97	99	96	97	98	97	98	99	102	89
1977	100	100	100	100	100	100	100	100	100	100
1978	101	99	102	99	102	103	115	106	75	108
1979	105	102	108	103	107	104	135	117	75	103
1980	104	102	105	102	107	98	139	120	72	103
1981	105	102	107	102	110	95	146	117	79	108
1982	104	101	106	104	111	93	135	114	74	114
1983	103	98	106	112	111	89	124	115	68	96
1984	91	69	108	63	109	88	141	114	72	105
1985 10/	91	71	107	66	108	83	143	119	71	113

See table 60 for footnotes.

Table 71--Farm productivity: indexes of output per unit of input, by regions, 1947-85 1/
(1977=100)

Year	Northeast	Lake States	Corn Belt	Northern Plains	Appalachian	Southeast	Delta States	Southern Plains	Mountain	Pacific	United States
1947	58	49	53	60	62	57	44	55	67	58	55
1948	60	54	67	64	65	60	52	52	69	59	60
1949	60	52	62	53	60	55	45	62	64	59	57
1950	63	53	62	61	61	57	45	52	66	61	58
1951	65	56	61	59	66	65	48	52	69	64	60
1952	66	58	66	63	64	62	51	55	73	67	62
1953	70	59	65	59	66	70	56	58	79	70	64
1954	71	61	66	61	68	64	56	60	73	72	65
1955	70	60	68	57	70	75	63	60	74	70	66
1956	74	62	70	56	74	74	60	58	74	71	67
1957	73	63	70	65	67	70	56	63	79	72	68
1958	81	67	75	80	74	74	58	73	86	73	74
1959	79	68	77	69	74	76	66	71	81	74	73
1960	83	69	79	81	77	79	65	76	83	73	76
1961	86	73	81	75	80	83	69	79	83	74	78
1962	83	72	81	81	82	84	71	74	85	76	78
1963	86	77	86	81	85	88	77	76	88	78	82
1964	88	74	82	82	86	85	79	78	86	80	81
1965	91	75	86	84	84	90	81	84	94	81	84
1966	87	77	84	84	82	83	77	77	93	83	83
1967	95	78	88	86	88	94	78	76	96	80	85
1968	93	82	87	89	87	88	87	84	99	86	87
1969	98	81	86	94	92	93	83	77	100	87	88
1970	101	83	83	88	92	93	86	80	101	88	87
1971	104	90	97	103	97	104	89	74	104	90	95
1972	95	88	94	102	98	100	90	82	102	92	94
1973	97	90	93	102	99	101	88	91	101	93	95
1974	100	83	83	87	100	105	84	78	102	98	90
1975	103	89	99	93	104	111	91	91	109	105	99
1976	104	82	97	89	108	113	94	93	110	106	98
1977	100	100	100	100	100	100	100	100	100	100	100
1978	105	99	104	103	104	108	97	87	108	98	101
1979	102	98	108	111	101	113	104	100	102	104	105
1980	105	100	102	97	98	103	84	87	113	112	101
1981	117	106	113	120	117	125	108	114	126	118	116
1982	118	109	113	121	119	132	116	105	123	117	116
1983	112	96	85	104	92	114	91	92	117	110	98
1984	107	100	107	123	127	154	119	96	119	138	116
1985 2/	118	109	128	140	128	154	121	110	120	136	127

1/ Unrounded indexes of farm output (tables 1 through 11) divided by unrounded indexes of farm input (tables 60 through 70).
2/ Preliminary.

Table 72--Indexes of farm output, input, and productivity, United States, 1947-85
(1977=100)

Year	Output	Input	Productivity 1/	Year	Output	Input	Productivity 1/
1947	58	104	55	1967	83	98	85
1948	63	104	60	1968	85	97	87
1949	62	108	57	1969	85	96	88
1950	61	106	58	1970	84	96	87
1951	63	106	60	1971	92	97	95
1952	66	105	62	1972	91	97	94
1953	66	103	64	1973	93	98	95
1954	66	102	65	1974	88	98	90
1955	69	104	66	1975	95	97	99
1956	69	103	67	1976	97	98	98
1957	67	100	67	1977	100	100	100
1958	73	98	74	1978	104	102	101
1959	74	101	73	1979	111	105	105
1960	76	99	76	1980	104	103	101
1961	76	98	78	1981	118	102	116
1962	77	98	78	1982	116	100	116
1963	80	98	82	1983	96	97	98
1964	79	98	81	1984	112	96	116
1965	82	97	84	1985 2/	119	94	127
1966	79	96	83				

1/ Data computed from unrounded index numbers. 2/ Preliminary.

Appendix

Measuring Agricultural Labor Hours and the Rate of Return to Equity in Farm Assets

by Sara Short

Labor hours, as reported by the Economic Research Service (ERS), are not independent of an assumed level of efficiency and, therefore, do not reflect efficiency changes. Labor hours data in Economic Indicators of the Farm Sector: Production and Efficiency Statistics are based primarily on labor "requirements" per acre or per unit output, not on survey data.

Recognizing the inherent weaknesses of such an approach, the 1978 American Agricultural Economics Association (AAEA) Task Force on Measuring Agricultural Productivity recommended that national labor hours be based on estimates of labor use derived from sample surveys. Currently, three separate and independent labor surveys are conducted to measure aggregate labor hours used in agriculture. The sample surveys of both USDA's National Agricultural Statistics Service's (NASS) Farm Labor Survey (FLS) and the Census Bureau's Current Population Survey (CPS) give independent estimates of labor use. The ERS Farm Costs and Returns Survey (FCRS) also provides an estimate of labor use but was not conducted until 1984. The task force preferred the NASS labor use estimate if it were based on a monthly survey instead of the current quarterly sampling.1/

This paper summarizes efforts to implement the recommendations of the AAEA Task Force as they pertain to the agricultural labor series published by ERS. Data from the FLS and CPS are used to determine how different estimates of the national labor input affect historical measures of labor productivity, the indices of total farm input and total factor productivity, and the rate of return to equity in farm assets.

REVISITING ERS LABOR SERIES

Published estimates of total labor hours for each of 12 enterprise groups 2/ and 10 regions are obtained mainly by multiplying labor coefficients by the Agricultural Statistics Board's (ASB) estimates of planted acreage (for preharvest labor), harvested acreage (for harvest labor), or weight units of production or animal numbers for livestock. A constant proportion of 13-15 percent (depending on the region in question) is added to the total labor hours for overhead labor, such as miscellaneous, management, and bookkeeping. The national labor input is calculated by aggregating over the enterprise groups and regions.

1/ Quarterly surveys began in 1974, but only one or two surveys were taken per year during 1981-84. Quarterly surveys were reinstated in 1985.

2/ The enterprise groups are feed grains, hay and forage, food grains, vegetables, fruits and nuts, sugar crops, cotton, tobacco, oil crops, meat animals, milk cows, and poultry.

ERS obtained requirement coefficients for many of the commodity accounts on an individual commodity basis by consulting with State agricultural experts. This was last done comprehensively in 1964, and before that in agricultural census years. After 1964, modifications in base labor coefficients occurred, sporadically formed by subjective judgments of changes in yields and developments in mechanization. But, documentation to justify these modifications was not prepared and uniform procedures were not used in the modification process.

According to the AAEA productivity report, base labor coefficients for the major crops were revised in 1974 based on ERS's Costs of Production (COP) surveys. 3/ However, in many accounts, ERS staff decided not to use the revised COP coefficients but continued to use modified coefficients based on the 1964 benchmarks. So, revised coefficients from COP surveys were incorporated into the productivity accounts. This procedure did not fully align the ERS series (1974-84) with either of the series developed from the two other survey sources (appendix table 1). The gaps between these series can be related to engineering formulas (developed over 25 years ago) used to derive labor requirements which underestimate overhead labor.

COMPARING DIFFERENT ESTIMATES OF TOTAL LABOR HOURS

The current ERS series, developed using NASS data, and the current BLS series are presented in appendix table 1. The NASS series was derived as the sum of two products: (1) multiplying the average number of all family workers (which includes self-employed and unpaid) on farms by the average number of hours worked per week by this group, times 52, and multiplying the average number of hired workers on farms by their respective average number of hours worked per week, times 52. This series commences in 1965, the first year in which average number of hours worked per week became available.

The BLS series is derived from a survey conducted on a monthly basis, like the CPS. Although the CPS sample is taken from the entire U.S. population, the Bureau of the Census and BLS have confirmed that the sample is proportional to size and representative of the farm sector (that is, if the farm labor force accounts for 3 percent of the national labor force, then it will make up 3 percent of the sample). Nevertheless, there are some disadvantages. The most serious one is that if an interviewee holds more than one job, all hours worked in all jobs are credited to the major job. If the interviewee's primary occupation is farmwork, all hours spent on nonfarm jobs are included as farmwork. We cannot tell for sure whether the BLS series overestimates or underestimates agricultural labor hours.

Between 1947 and 1964, the BLS series was about 24 percent larger than ERS's. However, after 1964 (the last benchmark year for ERS), the spread between these two series widens considerably. By 1984, the BLS series indicated a labor use 75 percent greater. The difference between the ERS series and the one developed using NASS data is also significant, reaching a high of 70 percent in 1979. The gap between the BLS series and the one developed using NASS data was considerably less, never reaching 20 percent. All three series indicate a trend of declining labor input use. The rate of decline in the three series varies. For example, between 1965 and 1977, labor use according to the ERS series decreased by almost 60 percent compared with 49 percent in the BLS series and 44 percent in the series developed using NASS data.

3/ Currently replaced by the FCRS.

LABOR PRODUCTIVITY

The disparity in the rate of decline in the labor input is reflected somewhat in the growth of labor productivity over the years (appendix table 2). The ERS series showed that labor productivity grew faster than under other series. Between 1965 and 1977, labor productivity, according to the ERS series, increased 48 percent compared with 45 percent under the BLS series and 43 percent under the series developed using NASS data. However, in general, all three series indicate a steady increase in labor productivity.

Index of Total Farm Input

The index of total farm input is not sensitive to large changes in the labor input component (appendix table 3). Although the gaps between the three different labor series widened considerably after 1965, the difference in the index of total farm input was not as dramatic. However, this result is not surprising since all three labor series reflect the declining importance of labor relative to other inputs.

Index of Total Factor Productivity

Like labor productivity and the index of total farm input, the index of total factor productivity was recalculated using ERS's current methodology. The three series presented in appendix table 4 are quite similar, given the differences in the absolute value of the labor component. All three series indicate that total factor productivity has generally increased over time, although the rate of increase has been slightly different for each series.

Rate of Return to Equity in Farm Assets

ERS estimates the income attributed to equity in farm assets as a residual claimant of farm income. Returns to operators 5/ plus net rent to all landlords plus interest on real estate and nonreal estate debt less returns imputed to operators' labor and management equals residual income to farm assets. Residual income to equity is derived by subtracting the interest on real estate and nonreal estate debt from the residual income to farm assets. The residual income to equity is then divided by the estimated equity in farm assets (market basis) to obtain a rate of return.

The return imputed to operators' labor had been estimated by multiplying ERS's estimate of total hours of labor times the average hourly cash wage rate, and subtracting from this product an estimate of total wages paid to hired farm labor. To determine how sensitive the rate of return to equity in farm assets was to changes in the labor hours component, this rate of return was recalculated using the two labor hours series developed from NASS and BLS data (appendix table 5). Both the NASS and BLS data provide for the breakdown of labor hours by all family (which includes self-employed and unpaid members) and hired workers. The number of hours worked by all family workers was valued at the average wage rate for all hired workers.

5/ Gross receipts of farms (farm marketings plus net inventory change plus other farm income plus Government payments plus other farm income plus nonmoney income); minus nonfactor payments (intermediate product expenses, capital consumption, and business taxes); minus interest on real and nonreal estate debt; minus wages paid to hired labor; minus net rent to all landlords.

The three rates of return are different, especially in 1980 and 1983 where the NASS- and BLS-based series indicated negative rates of return as opposed to positive ones in the ERS series. The residual incomes to equity were negative in these two cases. This was the direct result of changing only the labor component in the rate of return accounts.

CONCLUSION

If a labor hour series were used for the sole purpose of capturing general trends in labor use, labor productivity, total farm input use, and total factor productivity, the consequences of using any one of these series would mean little. However, because estimates of labor hours are used to develop financial indicators of the farm sector, the absolute value of these estimates becomes important. By changing only the labor component in the rate of return to equity in farm assets accounts, two different series were developed for an indicator which is often used to gauge the profitability of farming.

Given the results of this analysis and the recommendations of the AAEA task force, the BLS series and the FCRS were recommended as the two sources upon which the national labor input should be based. The series developed using the NASS data was not chosen primarily for two reasons: monthly surveys have not been reinstated and the likelihood of such a reinstatement is at best doubtful. NASS's labor survey has been curtailed by budgetary constraints. Given current budget restrictions, the likelihood of obtaining even quarterly labor estimates remains clouded.

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(2) U.S. Department of Agriculture, Economic Research Service. Economic Indicators of the Farm Sector: National Financial Summary, 1984. ECIFS 4-3. Jan. 1986.

(3) _____. Economic Indicators of the Farm Sector: Production and Efficiency Statistics, 1984. ECIFS 4-4. Feb. 1986.

(4) _____, National Agricultural Statistics Service. Farm Labor. Various years.

(5) U.S. Department of Labor, Bureau of Labor Statistics. Employment and Earnings. Various monthly issues.

Appendix table 1--Total agricultural labor hours, United States, 1947-84

Year	Current ERS series 1/	Series developed using NASS data	Current BLS series
		Billion hours	
1947	17.2	--	21.7
1948	16.8	--	21.0
1949	16.2	--	20.9
1950	15.1	--	19.3
1951	15.2	--	18.3
1952	14.5	--	17.4
1953	14.0	--	16.1
1954	13.3	--	15.6
1955	12.8	--	15.9
1956	12.0	--	15.1
1957	11.1	--	13.9
1958	10.5	--	12.9
1959	10.3	--	12.9
1960	9.8	--	12.5
1961	9.4	--	11.8
1962	9.0	--	11.4
1963	8.7	--	11.0
1964	8.2	--	10.4
1965	7.3	11.2	10.1
1966	6.9	10.4	9.1
1967	6.7	9.8	8.8
1968	6.4	9.4	8.6
1969	6.2	9.0	8.2
1970	5.9	8.9	7.7
1971	5.7	8.6	7.5
1972	5.4	8.5	7.6
1973	5.3	8.5	7.4
1974	5.2 (4.2)	8.2	7.4
1975	5.0 (4.2)	8.1	7.2
1976	4.8 (4.1)	8.1	6.9
1977	4.7 (4.0)	7.8	6.8
1978	4.4 (3.8)	7.4	6.9
1979	4.3 (4.3)	7.3	6.8
1980	4.3 (4.4)	7.2	6.6
1981	4.2 (4.3)	6.9	6.6
1982	4.0 (4.3)	6.2	6.4
1983	3.7 (4.2)	5.9	6.7
1984	3.7 (4.2)	5.8	6.2

1/ Numbers in parentheses indicate series developed using Costs of Production survey data.

-- = Not available.

Appendix table 2--Index of farm production per hour, United States, 1947-84 (1977=100)

Year	Current ERS series	Series developed using NASS data	Series developed using BLS data
1947	16	--	18
1948	18	--	20
1949	19	--	20
1950	19	--	21
1951	20	--	23
1952	22	--	26
1953	23	--	28
1954	24	--	29
1955	26	--	29
1956	28	--	31
1957	29	--	33
1958	33	--	38
1959	35	--	39
1960	37	--	41
1961	39	--	44
1962	41	--	46
1963	45	--	49
1964	47	--	52
1965	52	57	55
1966	53	59	59
1967	58	66	64
1968	62	70	67
1969	63	74	70
1970	66	74	74
1971	74	84	84
1972	78	83	81
1973	81	85	85
1974	79	84	81
1975	89	91	90
1976	94	93	96
1977	100	100	100
1978	108	109	103
1979	119	118	111
1980	112	112	106
1981	131	134	122
1982	133	147	123
1983	120	125	96
1984	139	150	112

-- = Not available.

Appendix table 3--Index of total farm input, United States, 1947-84 (1977=100)

Year	Current ERS series	Series developed using NASS data	Series developed using BLS data
1947	99	--	105
1948	100	--	106
1949	102	--	109
1950	101	--	107
1951	104	--	107
1952	104	--	107
1953	103	--	104
1954	102	--	104
1955	102	--	105
1956	101	--	104
1957	98	--	100
1958	98	--	99
1959	99	--	101
1960	98	--	100
1961	97	--	99
1962	97	--	99
1963	97	--	99
1964	97	--	98
1965	96	99	98
1966	96	98	97
1967	98	98	98
1968	97	97	98
1969	97	97	97
1970	97	97	97
1971	98	97	97
1972	97	98	98
1973	98	99	98
1974	98	98	98
1975	96	97	97
1976	99	99	99
1977	100	100	100
1978	102	101	103
1979	105	104	106
1980	103	102	103
1981	102	100	102
1982	99	96	100
1983	95	92	98
1984	96	93	98

-- = Not available.

Appendix table 4--Index of total factor productivity, United States, 1947-84 (1977=100)

Year	Current ERS series	Series developed using NASS data	Series developed using BLS data
1947	58	--	55
1948	63	--	59
1949	61	--	57
1950	61	--	57
1951	61	--	59
1952	63	--	62
1953	64	--	63
1954	65	--	64
1955	67	--	65
1956	68	--	67
1957	69	--	67
1958	74	--	74
1959	74	--	73
1960	77	--	76
1961	78	--	77
1962	79	--	78
1963	82	--	81
1964	81	--	80
1965	86	83	84
1966	83	81	82
1967	86	85	85
1968	87	87	87
1969	88	88	88
1970	87	86	87
1971	94	94	95
1972	94	93	93
1973	95	94	95
1974	90	90	89
1975	99	98	98
1976	98	98	98
1977	100	100	100
1978	102	103	101
1979	105	107	105
1980	100	101	100
1981	116	118	115
1982	117	121	116
1983	100	103	
1984	116	120	97

-- = Not available.

Appendix table 5--Rate of return to equity in farm assets, United States, 1947-84

Year	Current ERS series	Using NASS data: Re-estimated series	Using NASS data: Decrease in rate of return	Using BLS data: Re-estimated series	Using BLS data: Decrease in rate of return
			Percent		
1947	7.4	--	--	6.2	16.2
1948	8.7	--	--	8.1	6.9
1949	4.3	--	--	3.2	25.6
1950	5.9	--	--	5.0	15.3
1951	6.0	--	--	5.7	5.0
1952	4.5	--	--	4.1	8.9
1953	3.0	--	--	3.0	0
1954	3.1	--	--	3.0	3.2
1955	2.3	--	--	1.9	17.4
1956	2.4	--	--	1.8	25.0
1957	2.6	--	--	1.9	26.9
1958	4.0	--	--	3.5	12.5
1959	1.9	--	--	1.2	36.8
1960	2.7	--	--	2.1	22.2
1961	3.3	--	--	2.6	21.2
1962	3.5	--	--	2.5	28.6
1963	3.3	--	--	2.5	24.2
1964	2.7	--	--	1.9	29.6
1965	4.4	2.4	45.5	3.1	29.6
1966	4.6	2.8	39.1	3.4	26.1
1967	3.2	1.5	53.1	2.1	34.4
1968	3.0	1.4	53.3	1.9	36.7
1969	3.7	1.9	48.7	2.4	35.1
1970	3.5	1.6	54.3	2.2	37.1
1971	3.5	1.7	51.4	2.4	31.4
1972	5.3	3.4	35.9	4.0	24.5
1973	10.1	7.8	22.8	8.5	15.8
1974	5.7	3.7	35.1	4.0	29.8
1975	4.9	2.7	44.9	3.1	36.7
1976	2.8	.6	78.6	1.1	60.7
1977	2.1	.2	90.5	.6	71.4
1978	3.3	1.4	57.6	1.7	48.5
1979	3.2	1.6	50.0	1.8	43.8
1980	1.1	-.3	127.3	-.2	118.2
1981	1.8	.6	66.7	.6	66.7
1982	1.3	.1	92.3	.1	92.3
1983	.2	-1.1	650.0	-1.1	650.0
1984	2.8	1.5	46.4	1.4	50.0

-- = Not available.

*U.S. Government Printing Office : 1987 - 180-917/60236